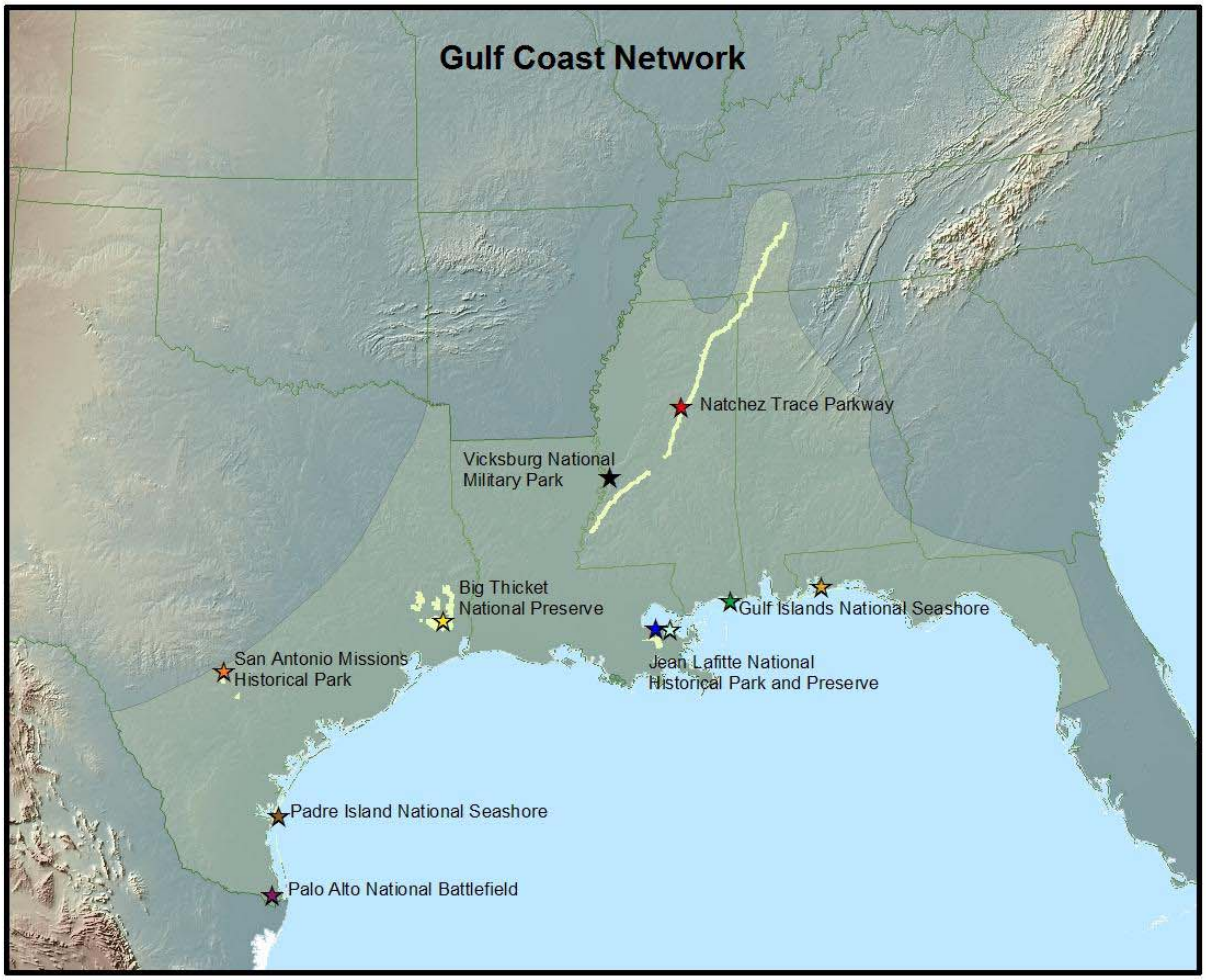
Natural Resource Summary for Natchez Trace Parkway (NATR)

FINAL REPORT

December 2004



Prepared by

Robert J. Cooper
Sandra B. Cederbaum
and
Jill J. Gannon

Warnell School of Forest Resources
University of Georgia
Athens, GA

TABLE OF CONTENTS

LIST OF FIGURES

EXECUTIVE SUMMARY

The National Park Service's (NPS) Natchez Trace Parkway (NATR) is a 444-mile roadway that extends from Natchez, Mississippi (MS) through the northwest corner of Alabama (AL) to Nashville, Tennessee (TN) and crosses through six forest types and eight major watersheds. The parkway connects the southern Mississippi River to central TN and commemorates the historic route that has been traveled by various American Indian tribes throughout early American history. Within TN, most of the parkway lies on the Western Highland Rim province of the Interior Low Plateau. The portion within MS and AL exists mostly on the Southeastern Plains and the northern portion of the Gulf Coastal Plain. A small portion of NATR crosses the Black Belt Prairie in northern MS. Because the shape of this park is long and narrow, much of the information on the natural resources is concentrated in national forests and state parks that are situated on or near NATR. Few studies have been conducted specifically on NATR. Of those studies that have been conducted, most refer to the vegetation in the park. Very little other biological information has been collected on the parkway.

The parkway's vegetation has been well studied. Multiple checklists of vegetation have been created for NATR but many were created nearly a half century ago. A couple of vascular plant surveys were conducted during the 1950's and 1960's. These surveys varied slightly in focus and examined the general plant community, vines species and medicinal species that exist along the parkway. Three of the more recent studies (since 1990) have documented the lichen and vascular plants of portions of the parkway. One survey documented 556 plants, most of which were grass and herbaceous species. Nineteen non-native species were found within NATR. They also identified 28 community types along NATR, 17 of which had not been previously recorded in one or more of the three states. A second survey was conducted on just the southern terminus of the parkway and documented 132 species of vascular plants. Other studies examined vegetation of adjacent sites, parks or forests that exist along the parkway. Most of these surveys have been conducted in the Tupelo area, in areas such as the Tishomingo, Tombigbee and Trace State Parks, the Tombigbee National Forest, and the Chickasaw Village Site. These studies largely focused on the general species composition of the sites but others studies examined forest processes or focused on a specific group of species. Archeological surveys of areas such as Bynum Mounds, Rock Creek, Bear Creek drainage and those in the adjacent Tennessee River Valley area have also added to the knowledge of the vegetation along the parkway by describing plants species and how those species were used by earlier inhabitants of the region. Additionally, a few studies have been conducted on specific plant species that occur along the parkway. These examined the response of individual species to stresses, such as Dutch elm disease, ice damage and fusiform rust, or focused on populations of species of concern.

Although there have been a good number of surveys that have been conducted along NATR, there is no recent survey that encompassed the entire parkway nor is there a compilation of what is known about the vegetation of the parkway through past studies. The NPSpecies database does not have all of the known studies listed and is consequently an incomplete listing as well. Additionally little is known about the aquatic vegetation found in waterways along NATR. Only one study has been conducted within the park's waterways and focused on the aquatic weeds in the Ross Barnett Reservoir. A need has also been described for a vegetation map of NATR that would enable the management of the parkway's natural resources.

Documentation of the mammal species that occur on NATR is currently incomplete or non-existent. Much of the information about the mammals along the parkway has come from archeological studies and therefore documents many of the species that historically existed in the area. These include typical species such as fox, raccoon and opossum but also include finds such as whale-like species. There are no comprehensive studies that examined the current species that inhabit the park. Based on distribution maps almost 60 species of mammals are thought to be supported by the habitat found along the parkway. Additionally, one study has been conducted on the suitability of habitat in MS for black bear restoration. They found that Homochitto National Forest (just east of NATR) was one forest where reintroduction would be possible and predicted that it could support a greater density of bears than other nearby sites.

Knowledge of the herpetofauna of NATR is limited and primarily consists of a checklist and a single general survey conducted by Accipiter Biological Consultants. This recent two-year project provided distribution information and relative abundance estimates despite a drought for half the study that likely impacted its overall success. In addition to the inventory of herpetofauna, there were a limited number of species studies conducted in the area. Two archeological studies have described reptilian remains of the wood turtle and a small palaeophid snake and one study described the bacterial flora that inhabits a salamander species in a nearby park.

A limited number of surveys and general studies have been conducted on avian populations on NATR and nearby areas. A recent two-year parkway-wide bird survey was conducted by Accipiter Biological Consultants utilizing southeast point counts and breeding bird surveys that provided a checklist and distribution information of birds along the parkway. Prior to this study, knowledge of the avian community was limited to two checklists that documented over 200 species. There have been few studies conducted other than the most recent comprehensive parkway-wide survey. Because of the long-thin shape of NATR and the mobility of birds, research on the ecology or the effect of management on bird populations have instead occurred on larger tracks of forest nearby. These studies examined the breeding ecology of Cerulean Warblers, the association between the Red-cockaded Woodpecker and the southern pine beetle, and the effects of timber management on avian populations in forests near the parkway. Auxiliary surveys and a couple of individual bird species studies have provided additional information on the park's avian community.

The fish species and their habitat use in drainages in and along NATR have been well studied. Multiple surveys have been conducted along NATR but they varied in scope as some focused on a particular drainage and others examined a portion of the parkway. Baseline inventories were conducted for most portions of the parkway and have documented 122 and 83 species along the MS and TN portions of NATR, respectively. Surveys of individual drainages have examined the species composition of multiple areas including the Tombigbee River/Bay Springs Lake, Bear Creek, and Little and Middle Byway Creeks. Along with creating species lists, the Bay Springs Lake study also examined changes in species composition. They found that some species not historically found in the Tombigbee River now existed and may be reproducing in the Bay Springs Lake due to dispersal of fish from the Yellow Creek Arm of the Pickwick Lake. Aside from the compilation surveys on the fish communities of NATR waterways, a great deal of the

additional work has been focused on the Ross Barnett Reservoir. These studies primarily focused on the movement, habitat use, diet, and food supply of the hybrid striped bass. Additional studies examined mercury contamination in largemouth bass and population cycles of crappies.

There have been no comprehensive studies on the invertebrates of NATR. Terrestrial studies have been limited to species of management concern along the parkway. One study examined the stability and fitness of two non-native fire ant species as well as their hybrid. A greater developmental stability was found in one species, as was a barrier for gene flow between the species due to weak selection on the hybrid. The second study described the monitoring and management of southern pine beetles along the parkway. Aquatic species have been documented primarily through archeological studies, which mainly documented the shells of mollusk species in the general area of NATR. Few studies have been conducted on the current aquatic invertebrate populations of the waterways associated with the parkway and are limited to two studies on the general ecology of a rotifer species and the relationship between macroinvertebrates and sediments.

Many geological studies have been conducted in the parkway's geographic region but few specifically associated with the parkway. Most of these studies were conducted 40 or more years ago and examined the geology of areas not directly associated with NATR. Those documents that did examine the geology of the park generally focused, at least in part, on the important commercial deposits. Much of the park's historic work was conducted by Black who documented the geology of NATR through field observation and consultations with experts. He examined the sedimentary deposits, important commercial mineral deposits, landforms and fossils. Madden continued some of this work by documenting the mining history of phosphate along NATR and discussed the companies, prospecting, procedures and the effects of mining. In addition to the work conducted within the park, a number of additional geologic studies have been conducted on state lands that exist in close proximity to NATR including Tishomingo and Tombigbee State Parks, Natchez State Park Dam, Rock Creek, Bear Creek drainage and the adjacent Tennessee River Valley area. No soil surveys exist specifically on the park grounds, but surveys have been conducted by the Natural Resources Conservation Service for all counties in which NATR exists except Lewis County, TN and Leake County, MS. Surveys provide descriptions and detail uses of the different soil types for each of the counties. Additionally, multiple environmental assessment reports for development or maintenance along NATR have discussed the dominant soil types of various sites along NATR.

Again, due to the nature of the park's long-thin configuration, there have been no groundwater studies specific to NATR; however, much work has been conducted throughout the state and in aquifers that supply water to the park area. These studies have examined the quality, contaminants, geochemistry, supply and flow of the groundwater. Surface water has not been well studied on NATR. There are a number of reports on the quality of the surface water for AL, TN and MS, and others that cover nearby streams, but there has been no compressive study of the surface water in the park. There are no water quality programs on NATR and baseline data is needed for all the major drainages in the park. Water quality data for surface water in the states, including areas along NATR, have been monitored by multiple states, federal and local agencies. Thirty-one waterbodies that intersect NATR have been listed on impaired state lists because they

do not meet the standards set for its use due to organic enrichment, low pH or dissolved oxygen levels, or elevated levels of sediments, nutrients, pathogens or pesticides. Additional studies have been conducted on the water quality and flow of waterbodies adjacent to the parkway such as Ross Barnett Reservoir, Bay Springs Lake, Tennessee-Tombigbee Waterway, and Pearl, Duck, Yockannookay and Tennessee Rivers as well as springs located on the Tombigbee National Forest.

There has been no data collected within the park on air quality. However, there are a number of monitoring stations around the state that can be accessed to determine park air quality. Air quality along NATR is listed a Class II under the Clean Air Act, which allows for moderate degradation of air quality. Although populated areas surrounding NATR are the primary source for air pollutants there also is concern about the incremental additions from pollutants that emerge from the parkway's automobile traffic. Data has been collected by the National Atmospheric Deposition Program (NADP)/National Trends Network at multiple stations in relatively close proximity to the parkway. Concentration and deposition data from these sites ranged from a decrease to no trend for wet sulfate, an increase to no trend for wet ammonium, and an increase to no trend for wet nitrate. One of the NADP Mercury Deposition Network sites nearest to NATR had the highest maximum total mercury concentration (338 ng/L) of all the MDN sites in the Gulf Coast Network. In addition, air toxics have been monitored at two sites near NATR, in Tupelo and Jackson and a third site will be added at Grenada in 2004. All three sites will monitor the 33 pollutants that are part of the Environmental Protection Agency's Urban Air Toxics Monitoring Program.

Through its length, the NATR traverses six forest types and eight watersheds, which include rivers, lakes and wetlands. A number of studies have been conducted on the vegetation, waterways and the faunal community within these habitats along NATR. Because the shape of this park is long and narrow, much of the information on these ecosystems is concentrated in national forests, state parks and waterways that are situated on or near NATR. Few studies have been conducted specifically on NATR. The history of the land has shaped the communities that currently exist along the parkway. Due to disturbances caused by American Indians (e.g., clearing brush with fire) followed by the Europeans (e.g., timber harvesting followed by agriculture then abandonment of agriculture, fire exclusion and increase in pine plantations), the landscape along the parkway is generally at least third or forth growth forest. Information on wetlands within the park has been primarily obtained through a number of investigations for Environmental Impact Statements for road or bridge projects along the parkway. These documents examined the soils, vegetation and hydrology of the wetlands that could be affected by the project. Rivers and lakes have received the most attention due to the large amount of research conducted on the water quality and biota, much of this was concentrated in the Ross Barnett Reservoir.

The park currently contends with four major management issues, which are often interconnected: exotic species, adjacent land-use impacts, nuisance species and parkway construction. Because of the parkway's shape and proximity to multiple large cities with increased suburbanization of the landscape, it is subject to many environmental problems, including air and water quality, disturbed lands, hydrologic disruption, exotic species and pests. Nineteen exotic plant species had been documented on NATR. The non-native plant and animal species that pose the greatest

threat to the parkway include kudzu, Japanese honeysuckle, mimosa and fire ants. The park has implemented limited programs designed to control some plant populations through the use of chemicals and cutting. A complete list of the park's exotic species must be developed in order to create a program to protect the native resources of the park. In addition to exotics, there are three native species, white-tailed deer, beaver and southern pine beetle, which are considered nuisance species on NATR or in areas adjacent to the parkway. These species can damage the vegetation of the park and neighboring landowner; as well create hazards for vehicles. Beavers can also build dams that block drainage and culverts, which can erode the roadbed or flood neighboring private land. Residential and industrial development has been increasing along NATR. This increased development threatens the parkway's scenic quality as well as its natural resources including air and water quality. Increased channelization of local streams has been occurring as well, to promote farmland and residential development. Intense farming practices (high levels of fertilizers, pesticides and tillage) have also increase the pollution of those streams. Construction of roadways and bridges on the parkway may also impact habitat through erosion, decreased water quality and destruction of vegetation.

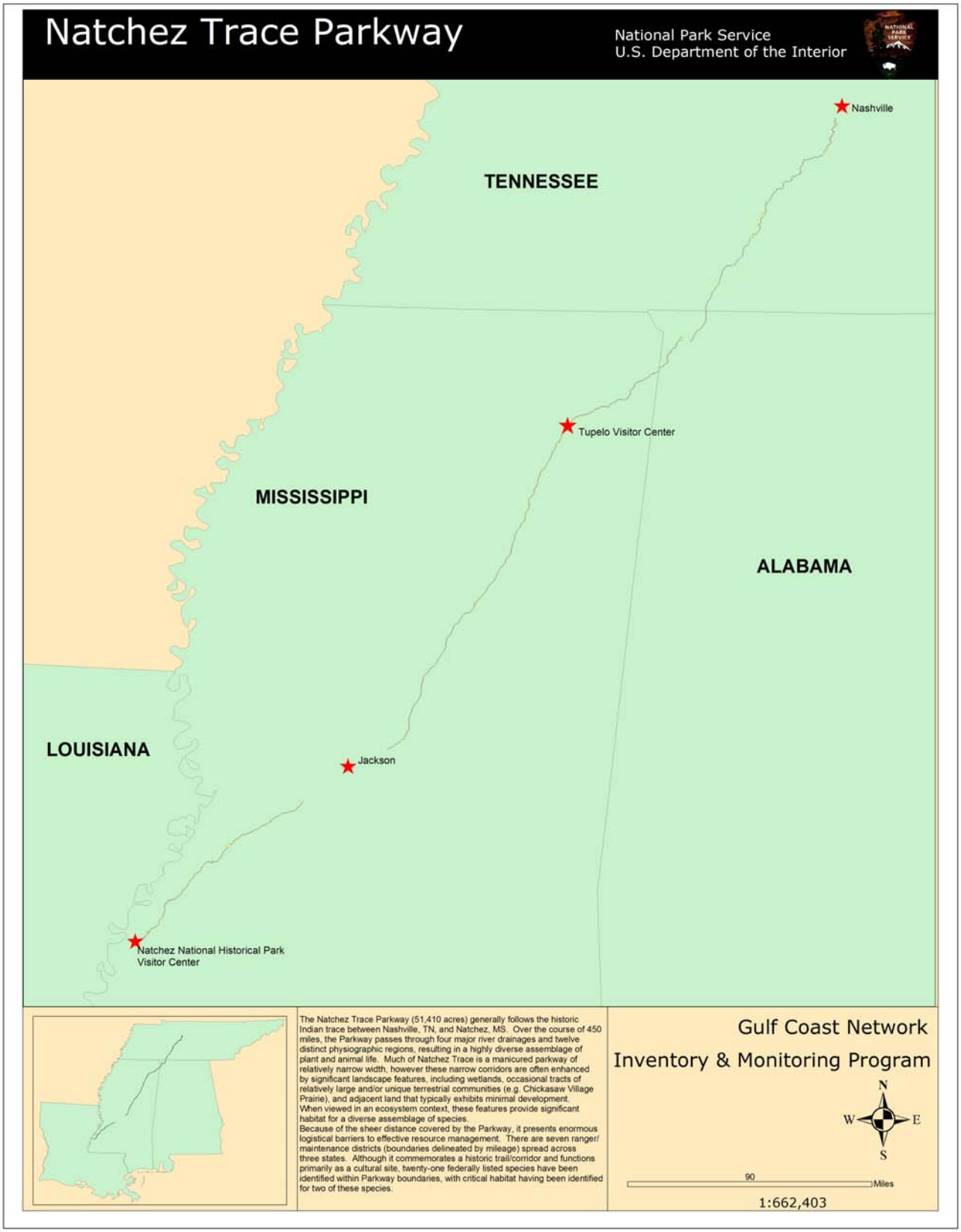


Figure 1. Location and extent of the Natchez Trace Parkway, one of eight parks in the Gulf Coast Network.

RESEARCH REVIEWS

BIOLOGICAL RESOURCES

The National Park Service's (NPS) Natchez Trace Parkway (NATR) is a 444-mile roadway that extends from Natchez, Mississippi (MS) through the northwest corner of Alabama (AL) to Nashville, Tennessee (TN) and crosses through six forest types and eight major watersheds. The parkway connects the southern Mississippi River to central TN and commemorates the historic route that has been traveled by various American Indian tribes throughout early American history. Within TN, most of the parkway lies on the Western Highland Rim province of the Interior Low Plateau. The portion within MS and AL exists mostly on the Southeastern Plains and the northern portion of the Gulf Coastal Plain. A small portion of NATR crosses the Black Belt Prairie in northern MS. Because the shape of this park is long and narrow, much of the information on the natural resources is concentrated in national forests and state parks that are situated on or near NATR. Few studies have been conducted specifically on NATR. Of those studies that have been conducted, most refer to the vegetation in the park. Very little other biological information has been collected on the parkway.

The Nature Conservancy (TNC; 1996b) conducted a survey of the biologic resources of NATR. Data on plant species and communities, vegetative cover, presence of non-indigenous species, fauna and possible threats to these natural resources were collected at 93 sites along the parkway. They also documented species that were state or federally listed as threatened or endangered species, or species of concern.

NATR's 1997 Resource Management Plan (hereafter 1997 RMP) described the natural resources of the park including its biological resources (NPS 1997). It identified funding needs regarding baseline inventory for terrestrial wildlife and plants as well as development of management guidelines for individual species or groups, including southern pine beetle (*Dendroctonus frontalis*), beaver (*Castor canadensis*), gray bat (*Myotis grisescens*), feral boar (*Sus scrofa*) and listed species. Of those needs identified, a parkway-wide Beaver Management Plan was approved in May of 2001. Limited progress has occurred on other identified needs to date, due to funding constraints (B. Whitworth, personal communication, 8 July 2004).

VEGETATION

Terrestrial Vegetation

Checklists, surveys, general studies

Natchez Trace Parkway

The NPS created a checklist of identified plants that existed in the park's herbarium as of 1959 (NATR 1959). McDougall (n.d.) constructed a list of plants that were documented in NATR. He provided descriptions and photographs as well as specimens (that are housed in the park's herbarium and the National Museum in Washington D.C.). In addition to the plant list he also documented the plant communities and successions along the parkway. Black (1960) created a

list of plants that could be found along NATR that were still used for medicinal purposes. Plants were restricted to those species found in McDougall's 'Plants of the NATR" although additional medicinal plants did exist along the parkway. Black and McDougall (1951) and Black (1963) constructed guides of climbing plants that could be found along NATR. Sixty species of vines were documented during the latter survey.

Davis (1975) conducted a study on the succession of abandoned crop fields along the Highland Rim portion of NATR. He found contrasting results compared with previous studies and provided possible explanations for these variations including different soil structures, lack of limestone in areas and variations in weather. He also included a table of species that were documented during the study and indicated the age of the field they were found in.

Dey (1990) compiled a list of lichen species for NATR. Samples were collected mainly from limestone rocks. Due to the limited habitat sampled, this list was not considered a complete inventory of species that existed within the park.

In TNC biological survey of NATR, they documented 556 plant species, including 19 non-native species (TNC 1996b). These species were comprised of 72 tree species, from 25 families, 87 shrub and vines species, from 35 families, and 397 grass and herbaceous species, from 74 families. Of those species found, 16 were state or federally listed. They identified 28 community types along NATR, 17 of which had not been previously recorded in one or more of the three states. Eighteen communities were documented in TN, nine within AL, and 13 within MS.

The 1997 RMP stated that approximately 800 species of plants existed within the parkway and identified a funding request for a baseline inventory of terrestrial plant species to be conducted in the southern portion of the parkway (NPS 1997). Rosso and Reed (1997) conducted a baseline survey of terrestrial plants for the southern portion of NATR. They documented 132 species of vascular plants. Timme and Timme (2000) wrote a book that described the wildflowers of NATR.

The 1997 RMP also described the need for a vegetation map of NATR in order to manage the parkway's natural resources (NPS 1997). There were a number of other studies listed in the 1997 RMP that were being conducted or recently completed on the vegetation on NATR. Gulley (in NPS 1997) conducted a detailed inspection and analysis of the vegetation management on the parkway. Wolf (in NPS 1997) conducted a study on the establishment of native plant materials for NATR.

Areas along NATR

A number of vegetation surveys have been conducted in Tishomingo State Park, which is transected by NATR just north of Tupelo, MS. Norse and Brown (1936) created a checklist of plant species while Brown (1945) wrote a botanical report on Tishomingo State Park. Searcy (1977 a&b) and Searcy and Pullen (1976) constructed a list of the ferns and wildflowers found at Tishomingo State Park based on a floristic study conducted for a Master's thesis. A preliminary

report from this study documented 586 species from 108 families, 285 of which were new county records and nine were new state records. They also documented 10 habitat types within the park.

Bishop (1987) conducted a study on the vascular flora found at Tombigbee State Park, which lies six miles east of NATR near Tupelo, MS. Three vegetation studies also have been conducted on the Tombigbee National Forest. The forest has a total of approximately 66,600 acres, of which 40,000 are on the Ackerman Unit and the other 26,000 are on the Trace Unit. The Ackerman Unit is located in Winston, Choctaw and Oktibbeha Counties and lies in a triangle of towns: Ackerman, Starkville and Louisville. The Trace Unit is located east of Houston, MS in Chickasaw and Pontotoc counties. The NATR transects the Trace Unit and runs within 10 miles of the Ackerman Unit. Doehler (1977) conducted a study on the weight and nutrients of canopy foliage and forest litter during secondary succession in the Tombigbee National Forest. McDaniel (1992) described 14 species of sensitive plants that were documented in the Tombigbee National Forest and delineated each species' distribution. Moore (1993) conducted a study of the vascular plants and bryophytes in the Noxubee Crest Natural Area in the Ackerman Unit. He documented 452 species from 93 families of vascular plants and 30 species of bryophytes from 19 families. Major habitats, soils and geology were also described.

Two other studies also have been conducted along NATR in the Tupelo area. Wieland (1994) conducted a study on the possibility of restoring prairie habitat to the Chickasaw Village Site at NATR mile 261 south of Tupelo. He developed a species list of existing plants (176 species) and discussed canopy cover and soil associations. Floyd (1995) examined the vascular plants that exist in Trace State Park, which lies just west of NATR near Tupelo, MS.

Toops (1989) conducted a study on the forest type, age structure and species composition of five pine forests along NATR. He provided baseline data on three of the forest types found along the parkway including: loblolly (*Pinus taeda*), shortleaf (*Pinus echinata*), loblolly/shortleaf. Winstead (in NPS 1997) conducted a plant survey of Attala County, MS.

Dominant vegetation for various sites along NATR have also been documented through multiple environmental assessment reports for development or maintenance along the parkway (Greene 1998; NPS 1983, 1998). These studies have examined the vegetation where NATR crosses Sweetwater Branch, Cypress Creek, Cypress Creek relief and Cooper Branch, and at stops such as Colbert Ferry.

Some information on the vegetation of NATR has been gained through archaeological studies. Jones et al. (1951) described the plants that were found in the Bynum Mounds of MS, which is just south of the Trace Unit of the Tombigbee National Forest along the NATR. They discussed how each of the plants was used by the inhabitants. Neitzel (1981) analyzed landscape change utilizing archaeological data. This study took place in part in Adams County, MS. Moore et al. (1982) examined charred plant remains from the Rock Creek archeological site along NATR in Colbert County, AL. They provided a plant list and detailed the uses of the plants by inhabitants. Smith (1982) described the flora found in the Rock Creek, Bear Creek drainage and the adjacent Tennessee River Valley area. Although he focused on resources that would have been of interest to prehistoric inhabitants, he based most of the description on the recent conditions and studies

that have occurred in the area. A portion of the report examined and identified charred plant remains that were found on these sites.

Additionally, Stevens (1991) compiled a list of literature on the botanical resources of MS. Some of these citations refer to areas along NATR.

Species surveys, studies

Natchez Trace Parkway

Affeltranger (1994) conducted a survey of Dutch elm disease (DED) along the NATR from Jackson to Tupelo, MS during June of 1994. He found DED in all eight counties in multiple species and provided recommendations for minimizing its effects.

Nebeker (1994) conducted a study on the utilization of ice-damaged loblolly and shortleaf pines (*P. echinata*) along the NATR. He documented the presence of Ips bark beetles (*Ips* sp.; Coleoptera: Scolytidae) in trees damaged in the previous winter and collected data on the potential of attack on those stands by bark beetles.

NATR (1997c) described a survey for the threatened plant species Price's potato bean (*Apios priceana*) near the Palmetto Road/parkway crossing. No specimens were found in the area.

Areas along NATR

A couple of studies also have been conducted on individual species at sites along NATR. Pullen et al. (1976) documented the existence of Engelmann's quillwort (*Isoetes engelmannii*) in the Tishomingo State Park. Blackwell and Dukes (1982) described the discovery of fossilized hop-hornbeam wood in Rankin County, MS. Walkinshaw and Barnett (1995) studied the ability of loblolly pines infected with fusiform rust to maintain similar growth to asymptomatic trees on the same site. They found that those trees with less than 4 galls had similar growth to those trees with no galls. One portion of the study examined 25 naturally regenerated pines from 12 stops along NATR (along a 110 mile stretch starting from Natchez). Infected trees along NATR have been diseased for about 100 years.

Aquatic Vegetation

Checklists, surveys, general studies

One study has been conducted on aquatic vegetation found in waterways along NATR. Grantham (1967) conducted an aquatic weed survey in the Ross Barnett Reservoir, which runs along a portion of the NATR in MS.

Experts: Samuel Rosso (University of Southern MS), D. Reed, Scott Franklin (University of Memphis), Lucile McCook or Marjorie Holland (University of MS),

FAUNA

TNC (1996b) conducted a survey of the biological resources of NATR. In addition to a vegetation survey, they also listed animal species that were detected. Of those animal species found, 11 were state or federally listed.

Archaeological studies have also provided information on the animal community within the area of NATR. One such study by Breard (1978) examined the ecology of the macrofauna, the biogeography and the climate of the Jackson Group in MS. Womochel and Barnett (1980 a&b) described the mega- and micro-vertebrate fauna from the Pleistocene found in Little Bear Cave in Colbert County, AL. This collection was possibly the largest most diverse collection of Pleistoncene fauna fossils. In the preliminary studies, they found fish, amphibian and mammal fossils including, longtailed shrews (*Sorex*), bats (*Myotis*, *Pipistrellus*), horse (*Equus*), deer (*Odocoileus*), peccary (*Platygonus*), bear (*Ursus*) and harvest mouse (*Reithrodontomys*). Bats were the most abundant fossil found. Smith (1982) described the fauna found in the Rock Creek, Bear Creek drainage and the adjacent Tennessee River Valley area. Although he focused on resources that would have been of interest to prehistoric inhabitants, he based most of the description on the recent conditions and studies that have occurred in the area. An examination of the Choctaw Agency excavation in Madison County, MS documented 12 animal species including six mammal, two bird (a couple of additional samples were identified to family), one reptile and three fish (O'Hear et al. 2000).

Mammals

Much of the information about the mammals along NATR came from archeological sites and therefore documents many of the species that historically existed in the area. There are no comprehensive studies that examined the current species that inhabit the park.

Checklists, surveys, general studies

Natchez Trace Parkway

A checklist of mammals was created for NATR that documented 56 species along the parkway (NATR n.d.-b). The 1997 RMP described the management of specific species and groups of species including beaver, feral hog, gray bat and state listed wildlife (1997). The 1997 RMP also stated that there were 57 species of mammals supported by the habitat found along the parkway. Whitworth (1999) created a checklist of 56 mammals that could potentially inhabit the NATR area based on distribution maps.

Areas along NATR

Setzer et al. (1951) described discovery of animal bones (deer, raccoon [*Procyon Lotor*], bobcat [*Lynx rufus*], opossum [*Didelphis virginiana*] and fox [*Vulpes*]) in the Bynum Mounds of MS. Klippel and Parmalee (1982) described the variations that have occurred over time in insectivores found in the Cheek Bend Cave as they related to environmental changes. Frazier (1980) described the discovery of the whale-like mammal (*Archaeocetes* sp.) from the Eocene of MS. Wright et al. (1982) described footprints from the Pleistocene found in Centerville Cave in Hickman County, TN.

Species surveys, studies

Bowman (1999) conducted a study on the suitability of habitat in MS for black bear (*Ursus americanus*) restoration. He created a landscape model of reintroduction suitability based on both habitat quality and attitudes of the nearby residents. He found that Homochitto National Forest (just east of NATR) was one forest where reintroduction would be possible and predicted that it could support a greater density of bears than other nearby sites.

Experts: Mike Kennedy (University of Memphis)

Herpetofauna

Knowledge of the herpetofauna of NATR is limited and primarily consists of a checklist and a general survey. A checklist of 93 herpetofauna, including 35 amphibians and 58 reptiles, was created for NATR (NATR n.d.-c). Accipiter Biological Consultants (1999; 2001) conducted the only inventory of the herpetofauna of NATR. This two-year project provided distribution information and relative abundance estimates despite a drought for half the study that likely impacted its overall success (B. Whitworth, personal communication, 8 July 2004). The first progress report documented 43 herpetofaunal species (12 amphibians and 31 reptiles).

Reptiles

In addition to the recent inventory of herpetofauna, there have been two archeological studies that have described reptilian remains. Parmalee and Klippel (1981) documented evidence of the wood turtle (*Clemmys insculpta*) in deposits found at Cheek Bend Cave in Maury County, TN dated to the late Pleistocene. This was the first record for the state. Holman (1982) discovered a new small palaeophid snake (*Palaeophis casei*) with early Eocene MS origins. According to the 1997 RMP 57 species of reptiles could be supported by the habitat found along the parkway (NPS 1997).

Amphibians

Additional information on the amphibians of NATR is limited. Austin (1997) conducted a study on the bacterial flora that inhabits the eastern zigzag salamander (*Plethodon dorsalis*) in the Tishomingo State Park. He found a symbiotic relationship between the salamander and a cutaneous bacterium that has an inhibitory effect on various opportunistic human pathogens (e.g., *Staphylococcus* sp., *Pseudomonas* sp., *Enterococcu*s sp., as well as on HIV strains). According to the 1997 RMP 36 species of amphibians could exist along NATR (NPS 1997).

Experts: Accipiter Biological Consultants, Edmund Keiser (University of MS), Carl Qualls (University of Southern MS)

Birds

A limited number of surveys and general studies have been conducted on avian populations on NATR and nearby areas. There have been few studies conducted other that the most recent comprehensive survey. Auxiliary surveys and a couple of individual bird species studies have provided additional information on the park's avian community.

Checklists, surveys, general studies

The 1997 RMP stated that 216 species of birds could be found within the habitat along the parkway (1997). Accipiter Biological Consultants (2001) conducted a two year, parkway-wide bird study (utilizing southeast point counts and breeding bird surveys) that provided a checklist and distribution (spatial and by habitat) information (B. Whitworth, personal communication, July 8, 2004). There are also two checklists for NATR, one produced by an unknown author from NATR (n.d.-a) that documented 218 species along the parkway and a second by McDoughall (1951). Additionally, there are a couple of long-term monitoring programs conducted in the area. One of these programs, the Breeding Bird Survey (BBS), monitors the status and trends of avian populations in North America and had four routes that intersected portions of the park (USGS 2004a). There are also 23 other BBS routes within 30 miles of the park. Christmas Bird Counts, another type of long-term monitoring project, have also been conducted in a number of areas near the parkway for several years (National Audubon Society 2004).

Species surveys, studies

A couple of studies have been conducted on individual bird species in the areas near NATR. Welton (1998) conducted a study on the breeding ecology of Cerulean Warblers (*Dendroica cerulea*) in the Interior Low Plateau of TN. Skordinski (1998) conducted a study on the association between the Red-cockaded Woodpecker (RCW, *Picoidis borealis*) and the southern pine beetle (SPB) in the Homochitto National Forest, which is east of the southern terminus of NATR. She found that the RCW and SPB used similar habitat and future occurrences could be predicted using heterogeneity maps. Reynolds (2001) examined the effects of timber

management on avian populations in the Tombigbee National Forest and neighboring Noxubee National Wildlife Refuge (NWR). He monitored the effects on selected bird species in hardwood, pine and mixed habitat types of multiple age classes.

Experts: Steve Dinsmore (Department, MSU), Robert Cooper (University of Georgia)

Fish

The fish species and their habitat use in drainages in and along NATR have been well studied. Multiple surveys have been conducted on the fish community of NATR. These surveys have varied in scope with some focusing on a particular drainage and others examining a portion of NATR. These baseline inventories were conducted for most portions of the parkway and examined literature and museum records and in some cases involved field surveys. Aside from the compilation surveys on the fish communities of NATR waterways, a great deal of the additional work has been focused on the Ross Barnett Reservoir.

Checklists, surveys, general studies

Ross (1994) compiled information from a MS fish distribution database on the fish species that exist in the immediate vicinity of NATR. He documented 122 species of fish, including 2 state listed species. Species are broken down by waterbody and by drainage. During a later survey, Ross et al. (1996) created a baseline inventory of the fish community at the southern terminus of NATR. In addition to the fish inventory they also produced habitat descriptions. Paxton et al. (2000) conducted a survey of the fish community existing along the TN portion of NATR. They primarily examined the literature and museum records and documented 83 species, 30 percent of which were darters.

Barkley (1971) conducted a study on the fisheries of the Ross Barnett Reservoir, MS. Miranda (1986) examined the dispersal of fish between Yellow Creek Arm of the Pickwick Lake in northeastern MS and the Bay Springs Lake, just west of NATR in northeastern MS. He found that some species not historically found in the Tombigbee River now existed and may be reproducing in the Bay Springs Lake. He also examined the reproductive ecology of the largemouth bass (*Micropterus salmoides*). Johnson and Phillips (1999) examined the fish and mussel communities of the Bear Creek drainage, a major river in northern MS and southern AL that crosses and in portions parallels NATR, and documented 35 species. Jackson et al. (2001) conducted a survey of the fish and benthic macroinvertebrate communities found in the Little and Middle Byway creeks along NATR in Choctaw County, MS. They characterized the habitat and created a species list based on field surveys.

Species surveys, studies

A number of studies have been conducted on fish species in the Ross Barnett Reservoir. Knight and Herring (1972) conducted a study on the mercury contamination in largemouth bass from individuals in the Ross Barnett Reservoir. Muncy and Phalen (1988) conducted a study on

striped bass x white bass hybrids (*Morone sazatilis* x *M. chrysops*) found in the Ross Barnett Reservoir. In a later report, Muncy (1990) described the results of a radio telemetry study of the habitats used by the adult hybrids in the area. Demauro (1990) examined movement, habitat and food supply of hybrid striped bass in the Ross Barnett Reservoir. He documented the timing of migration and associated environmental factors as well as the important food items. Allen and Miranda (2001) used population models to examine crappie (*Pomoxis* sp.) population cycles. They compared data produced from modeling attempts with 32 years of data from sampling in the Ross Barnett Reservoir. They found similar cycles between the two data sets and found the cycles were closer to quasi-cycles than true cycles due to environmental and density-dependent factors.

Archaeological studies have also provided information on the historic fish community in the area. Dockery and Manning (1986) found the teeth of *Carcharodon auriculatus* in the Eocene and Oligocene formations in MS.

Exerts: Stephen Ross or Jacob Schaefer (University of Southern MS)

Invertebrates

Terrestrial

There have been no comprehensive studies on the terrestrial invertebrates of NATR. Studies have been limited to two studies on species of management concern along the parkway. Ross and Robertson (1990) collected data on two non-native species of fire ants, *Solenopsis invicta* and *S. richteri*, from sites in MS, AL and GA, some of which were located along NATR. They examined the stability and fitness of the species as well as a hybrid of the two species. They found a greater developmental stability in *S. invicta* alleles and a barrier for gene flow between the species due to weak selection on the hybrid. The 1997 RMP described the monitoring and management of southern pine beetles along the parkway (NPS 1997).

Aquatic

Aquatic species have been documented primarily through archeological studies in the general area of NATR. Few studies have been conducted on the current aquatic invertebrate populations of the waterways associated with the parkway.

<u>Mollusks</u>

Morrison et al. (1951) conducted a study of the Bynum Mounds along NATR. They described the shell material found at the site, the species and the possible uses of the species by the inhabitants.

Dockery (1977) described mollusk species found in the Moodys Branch Formation in MS. Robinson and Dockery (1981) and Robinson (1983) described the discovery of new mollusk

species in Hinds County, MS, in the Moody Branch Formation. Tucker (1994) described the discovery of a new mollusk species from the genus *Conorbis* from the Eocene in Hinds County, MS.

Alexander and Gibson (1993) discussed shells of various species found in the Early Devonian Ross Formation of TN. Topics included hinge type and attributes, the articulation: disarticulation ratio and abundance. Clement and Broadhead (1994) examined the biological stratigraphy and geography of echinoderms of the Late Silurian-Early Devonian era.

Johnson and Phillips (1999) examined the fish and mussel communities of the Bear Creek drainage, a major river in northern MS and southern AL that crosses and in portions parallels NATR, and documented 35 species.

Other Taxa

Strimple (1976) documented the existence of two new species of *Agassizocrinus* (Class Crinoidea) from fossils in Colbert County. Ruppel (1979) described the existence of Conodonts, extinct marine organisms with jaw-like structures, in Lauderdale and Colbert Counties. Waters (1980) examined the functional morphology of three species of fossil echinoderms (*Pentremites*), two of which were found in Moulton Quarry, Lawrence County and Fox Trap Creek, Colbert County. Waters (1980) conducted a paleontological and paleoecolgical study on a limestone formation in Colbert County and documented 95 macroinvertebrate species. He also found that although the three sections, Mountain Star, Fox Trap and Pilgrim's Place, were not far from one another, they each had distinct faunal abundance and community evolution trends. Sevastopulo and Lane (1981) discussed Silurian echinoderms found in Wayne County, TN.

Gunter (1976) conducted a study on the general ecology of the rotifer, *Sinantherina semibullata* in the Ross Barnett Reservoir. He found a wide distribution and associations with algae and macrophytes. Cooper and Knight (1985) examined data from the Ross Barnett Reservoir on the relationship between macroinvertebrates and sediments.

Waggoner (1994) described fossilized microorganisms found in the Upper Cretaceous amber in Tishomingo County, MS.

Jackson et al. (2001) conducted a survey of the fish and benthic macroinvertebrate communities found in the Little and Middle Byway creeks along NATR in Choctaw County, MS. They characterized the habitat and created a species list based on field surveys.

Experts: Jack Grubaugh (University of Memphis), Paul Lago (aquatic, University of MS), David Becket or Fred Howell (aquatic, University of Southern MS)

THREATENED AND ENDANGERED SPECIES

A number of federal and state listed threatened or endangered species have been documented or have ranges that may allow them to exist on NATR. A list of these species was adapted from the NATR GMP 1987 and RMP 1997 and exists in Appendix A (NPS 1987, 1997).

PHYSICAL RESOURCES

GEOLOGY

There have been a number geological studies conducted in the parkway's geographic region but few are specifically associated with the parkway. Most were conducted 40 or more years ago and examined the geology of areas not directly associated with NATR. Those documents that did examine the geology of the park generally focused, at least in part, on the important commercial deposits. Those that are included in this report that do not directly discuss the park's geology are limited to those that have taken place in the general area or counties that contain NATR and are broken down by state. A list of counties for the park is included in the 'General park information' in the GIS section of this report. Additionally, a number of surveys have been conducted on the soils found in all but two of the counties the parkway traverses.

Formations

Natchez Trace Parkway

Black (n.d.) described the geology of NATR through field observation and consultations with experts. He discussed sedimentary deposits, important commercial mineral deposits, landforms and fossils. Black (1960) described the phosphate deposits found along the TN portion of NATR. Black (1961) discussed the geology of the TN portion of NATR. He described the facies and fossils in each of the state's units (Stone River, Nashville, Eden, Maysville and Richmonds groups, Bigby-Cannon limestone and Catheys formation). Madden (1964) conducted the second portion of Black's research by describing the mining history of phosphate along NATR. He discussed the companies, prospecting, procedures and the effects of mining. The 1997 RMP detailed the inventory deeds of reserved mineral estates along the parkway (NPS 1997). NATR (n.d.-d) listed a number of areas for which the park does not own the oil and gas or mineral rights. Cotter (n.d.) discussed the stratigraphy and area tests on NATR.

A number of additional geologic studies have been conducted on state lands that exist in close proximity to NATR. Morse and Brown (1936) described the geomorphology and formation of Tishomingo State Park and Morse (1936) reported on the geologic history of Tombigbee State Park. A geotechnical investigation was conducted on the area of the Natchez State Park Dam in Adams County (Ware Lind Engineers 1976). Smith (1982) provided a detailed description of the geology and soils found in the Rock Creek, Bear Creek drainage and the adjacent Tennessee River Valley area in Colbert County, AL.

Tennessee

Jones (1892) described the geology of the Nashville area. Corgan et al. (1976) examined excavations from Maury County at the Dark Mills site. Berner et al. (1982) described the Centerville Natural Bridge found in Hickman County. Brakenridge (1982, 1984, 1985) described the geologic history of the formations along the Duck River, which crosses NATR near Columbia. They also addressed the environmental controls that affected the fluvial system.

Floyd (1951) discussed the geology of West Harpeth area, Williamson County. Luther (1951) examined the Spring Hill area geology in Maury and Williamson County. Marrow (1957) reported on the geology of the Leipers Forks Quadrangle in Williamson County. Perhac (1971) classified the rock makeup of granite located in Davidson County. Wiethe (1977) described the jointing in two formations found in Williamson and Davidson Counties. Watts and Gregor (1978) described the paleomagnetism of the formations in Davidson County.

Maniatis (1970, 1971) described and classified the carbonate rocks of the Middle and Upper Ordovician group in the Central Basin of TN. Milici (1979) examined the sedimentary succession of the Upper Mississippian and the Lower Pennsylvanian rocks found in southern TN on the Cumberland Plateau. Gilmore (1980b) examined carbonate mud mounds of the Lower Mississippi in south-central TN. Gilmore (1980a) also described the Waulsortian type mounds in terms of depositional environment and conversion of the sediment to rock in south-central TN.

Argialas (1988) used Landsat satellite data and gravity anomaly data to examine the alluvial valley of west TN for faults. They found the lineaments ran in a general northeast direction that corresponded with fault lines.

Alabama

Bergquist and Overstreet (1965) examined Bauxite deposits in the Margerum district of Colbert County. Beavers (1977) described the factors affecting the deposition of the Hartselle Sandstone found in Colbert and Franklin Counties. Thomas et al. (1980) and Thomas and Mack (1980) examined the sedimentation of sandstone and limestone in northwestern AL including Colbert County. Waters (1980) conducted a paleontological and paleoecolgical study on a limestone formation in Colbert County and documented 95 macroinvertebrate species. He also found that although the three sections, Mountain Star, Fox Trap and Pilgrim's Place, were not far from one another, they each had distinct faunal abundance and community evolution trends. A report by an unknown author (1980) described the important geology of Colbert County. Szabo (1982; 1992; 1993) examined the geomorphology of Paleocollapse structures in Colbert and Lauderdale Counties, AL and Tishomingo, MS. Harrison and Wilson (1993) located and analyzed excavation of chert, a fine-grained quartz, in northwestern AL.

Harris et al. (1963b) described the geology and groundwater resources that existed in Lauderdale County. Moser (1977) discussed the importance and correlations of some geomorphologic features in northwestern AL. Kidd (1980) discussed the current knowledge of the geology, geophysics and seismicity in northwestern AL.

Mississippi

Carlsen (1978) examined the gravity field in the Mississippi Embayment region and discussed changes in intensity. Bograd (1980) discussed past earthquakes that have occurred in MS. Andrews et al. (1985) described the repositioning of micro-earthquakes that occurred in the northern Mississippi Embayment. Oglesby (1976) examined the distribution of specific minerals found in the MS portion of the upper Smackover Formation. Cagle and Khan (1983) examined the Smackover-Norphlet stratigraphy of the South Wiggins Arch in MS and AL.

Hsu (1976) conducted a seismic refraction survey in northeast MS. Hoffman (1978) conducted a study on the trace elements found in the Mississippian Fort Payne chert in northeast MS. Thompson and Reynolds (1978) documented data that indicated a depositional source for the bauxite found in northeast MS. Metzger (1983) described the earthquakes in northeastern MS, including Tishomingo and Prentiss Counties, during the winter of 1983. Merrill (1989) examined the sedimentary succession of an outcropping in Tishomingo County. Broussard and Cleaves (1979 a&b) examined the Upper Mississippian deltas found in the Black Warrior Basin in Lee and Itawamba Counties.

Smithe et al. (n.d.) described the geology of the Upper Cretaceous along the Tombigbee River. Olaniyan (1982) conducted an archaeological study in the Bay Springs area along the Tennessee-Tombigbee Waterway. He examined the sedimentation composition, petrology and rate at a sandstone rockshelter. Riggs (1979 a&b) described deposits of economic importance found in Tombigbee and Holly Springs National Forest. He found that the lignite in the area was non-economical due in part to its low grade and thick overburden. The only commercial exploitation he recommended was the continuation of sand pits operations.

Anthony (1959) described the Bluffport Marl member (Demopolis Formation) found in Clay County. Ericksen (1992) examined a core hole into the Pennsylvanian coal bed in Clay County to determine methane potential. Terry (1957) conducted a study in Clay and Chickasaw Counties on the stratigraphy of a sand member. Thomas (1960) examined the pollen and spores of the Ripley lignitic clays in Clay County. Tarbutton (1980) examined the Pennsylvanian Pottsville Formation for coal in northeastern MS including Chickasaw, Clay, Itawamba, Lee and Pontotoc Counties.

O'Donnell (1974) described the systems in which the lower Claiborne was formed in central MS. Sydboten and Bowen (1987) examined the subsurface Cotton Valley Group in west central MS including a number of counties that NATR traverses. They examined the structural geology and sedimentary succession of the area.

In Attala County, Minshew et al. (1978) conducted an analysis of a buried structure in Possumneck, Frederking et al. (1978) described the use of remote sensing to conduct geophysical surveys of the Black Warrior Basin, and Williams (1980) described the geology of the Zilpha Formation.

Miller and Leitch (1984) examined the loess soil in the southern periphery of Natchez and documented a rare occurrence of fossilized hackberry seeds from loess deposits. This area was well known to paleontologists due to the large numbers of terrestrial snail fossils that have been documented in the loess soils. Mitchell (1989) described petrified wood from the Forest Hill Formations in Madison County.

Monroe (1954) described the geologic history of the Jackson area. Harned (1960) investigated the igneous activity of the Upper Cretaceous in multiple counties of MS, including Hinds. Kolb et al. (1976 a&b) created a road log and guidebook of the geologic features found on a trip of Jackson - Vicksburg - Natchez. Estes (1980) examined surface mining in MS and discussed

current reclamation projects. Coyle (1981) examined the depositional environment and characteristics of reservoirs in the Lower Cretaceous Paluxy sandstones found in Bolton Field, Hinds County. Dockery (1985) described tar pods found in the Yazoo clay near Cynthia in Hinds County. Obradovich et al. (1993) examined the ages of bentonite beds in the upper Yazoo Formation in also in Hinds County. In Claiborne County, Bicker (1966) described the geology and mineral resources.

Childress and Bograd (1976) examined the geology, Haley and Bitar (1984) examined the mineral resources of the Sandy Creek Roadless Area, and Rhinehart (1989) examined the stratigraphy of the Citronelle Formation all in Adams County, MS. Haley and Bitar found that oil and natural gas were more probable resources than metallic minerals.

Turnipseed and Wilson (1989, 1990, 1992) examined the stability of the channels and banks of three waterways at highway crossings in MS, including Sand Branch tributary (5 miles west of mile marker 250), Twentymile Creek and Standing Pine Creek (15 miles east of mile marker 140). Each year they discussed the status of a different creek. In separate reports by Wilson and Turnipseed (1989; 1992), they examined the channel/banks stability of Wolf and Osborne Creeks (both 10-15 miles northwest of mile marker 280) as they crossed Highway 45.

Multiple States

Mellen (1976) examined the ability of multiple rock types in AL, MS and TN to accept and store underground waste. Frederiksen (1980) described the sporomorphs found in the Jackson Group and neighboring strata in MS and western AL. Meissner and Heermann (1983) examined the stratigraphic border line between AL and MS in the Lignite and Midway-Wilcox groups. The study area contained some of the counties that the NATR travels through. Cook (1986) examined the McShan formation and discussed the possible use of sedimentary structures as an indicator of the depositional environment. Spain and Siesser (1986) conducted a study on the history, structure and ecological relationships that existed in the Pachuta Marl group in MS and AL, including some of the parkway counties.

Soils

Natchez Trace Parkway

No soil surveys exist specifically on the park grounds, but surveys have been conducted by the Natural Resources Conservation Service for all counties in which NATR exists except Lewis County, TN and Leake County, MS. Surveys provide descriptions and detail uses of the different soil types for each of the counties.

Multiple environmental assessment reports for development or maintenance along NATR have discussed the dominant soil types of various sites along NATR (Greene 1998; NPS 1983, 1998).

General area

Surveys in AL were conducted by Brackeen and Gray (1939) and Bowen (1994) for Colbert County and Sherad (1977) for Lauderdale County.

TN soil surveys were conducted by Harmon et al. (1959), North (1981), Overton et al. (1959), True et al. (1964) and Clendenon (1994, 2000) for Maury, Davidson, Lawrence, Williamson, and Hickman and Wayne Counties, respectively.

Surveys in MS were conducted in Adams, Attala, Chickasaw, Choctaw, Claiborne, Clay, Hinds, Itawamba, Jefferson, Lee, Madison, Pontotoc, Prentiss, Tishomingo and Webster Counties (Brass 2002; Cole et al. 1979; Garber 1973; Geib & Goodman 1911; Goodman et al. 1957; Lane et al. 1973; Lane & Cole 1963; Mcmullen 1986; Mcmullen & Ford 1978; Miller 1983; Morris 1970, 1980; Murphree et al. 1974; Murphree & Miller 1976; Murphree et al. 1979; Robards et al. 1997; Scott 1984).

A couple of additional studies have been conducted on NATR county soils. Tabor and Bell (1969) examined the use of soils in Maury County, TN for agriculture. In a later article Tabor (1976) discussed the change in soil mapping units due to agriculture. Ritchie and Hawks (1979) studied the natural gamma radioactivity found in the soils of some northern MS counties, including Choctaw and Pontotoc.

Experts: Homer Wilkes and James Ford (State Conservationists for MS and TN respectively, NRCS; there are also contacts at each of the field offices for each county – information available on their website http://www.nrcs.usda.gov/about/organization/regions.html#state), David Dockery (Geologic Mapping, MS Department of Environmental Quality - MDEQ)

HYDROLOGY

Groundwater

There have been no groundwater studies on NATR; however, much work has been conducted throughout the state and in aquifers that supply water to the park area. The USGS maintains a searchable database of the state, including areas along NATR, for historic and current water levels, quality and flow measurements (USGS 2004b).

Water quality

Tennessee

Groundwater quality in TN has been documented in a number of water resource reports since 1965 (e.g., U.S. Geological Survey 1983, 1984, 1986, 1987). Hileman (1990) examined the existence of radionuclides in the groundwater of Hickman and Maury Counties. They documented the groundwater quality and levels, and construction of wells. Lee and Hollyday (1991) examined radon levels to determine the location and intensity of groundwater seepage

into Carters Creek in Maury County. Quinones et al. (1992) conducted a study on the groundwater and streams near the Wayne County landfill. They examined the water quality, streamflow, bottom sediments and biological data of the water resources. Hileman and Lee (1993) examined the Highland Rim and Central Basin aquifer systems. They determined the geochemistry and radioactivity of the groundwater of Hickman and Maury Counties.

Alabama

Groundwater quality in AL has been documented in a number of reports on their water resources since 1965 (e.g., U.S. Geological Survey 1972b, 1974b, 1975b, 1979a). Mettee et al. (1978) examined the utilization of water in AL during 1975 including its storage, water quality, contamination and economics. They also created projections for future water use to the year 2020. Fay et al. (1981) conducted a hydrogeochemcial and stream sediment study in AL. They collected groundwater, stream water and stream sediment from various sites around the state and discussed field measurements and observations for each site. Chandler and Moore (1991) examined the water quality and hydrogeologic properties found in storm water drainage wells in Muscle Shoals, Colbert County.

Mississippi

Groundwater quality in MS has been documented in a number of reports on their water resources since 1965 (e.g., U.S. Geological Survey 1972c, 1973b, 1974c, 1975c, 1978, 1979b). Price et al. (1979 a&b) conducted a study on the geochemistry found in a deep well located in Hinds County. Kalkhoff (1982b) examined water resources in areas of MS with oil and gas production. He discussed the specific conductance and the concentrations of dissolved chloride found in streams and freshwater aquifers. Oakley (1984) described the groundwater quality and supply of the Ross Barnett Reservoir area. This body of water runs along the NATR just north of Jackson.

Supply and flow

Tennessee

Zurawski (1978) examined the available groundwater in TN and in a later report he (Zurawski & Burchett 1980) conducted a survey of the groundwater in the carbonate rocks found in Williamson County. Rima and Mull (1980) conducted a hydrogeologic study of the groundwater existing in the Cumberland River Basin in Kentucky and TN and Burchett et al. (1983) described the water resources found in carbonated rock and mantle rock found in the Fairview area in Williamson County.

Alabama

Harris et al. (1963 a&b) described the geology and groundwater resources that exist in Lauderdale and Colbert Counties.

Mississippi

Thomson (1969 a&b, 1969c) discussed the groundwater resources of the Pharr Mounds Historic Site, Emerald Mound and Tishomingo State Park, which lie along NATR.

Callahan (1976) examined water use and Boswell (1977) described the finds of USGS water resource projects in MS. Hoda and Barlow (1977) described the geohydrologic studies of the MS salt domes. Dalsin (1979) described a plan of the hydrology of lignite in MS and Arthur (1980, 1982) examined the hydrology of possible lignite mining areas in MS. Easom et al. (1979) detailed the electric logs produced from water wells and test holes that are on file with the Bureau of Geology and Energy Resources.

Keady (1968) conducted a study in northeastern MS on the hydrogeology of the Cretaceous aquifers. Boswell (1976 a&b, 1977, 1978) examined groundwater in the Lower Wilcox, Meridian-upper Wilcox, Eutaw-McShan and Tuscaloosa Aquifer systems, respectively, in northeast MS. Leake (1977) simulated the groundwater flow from an aquifer with a partially penetrating channel in Tishomingo County. In a later publication, Callahan (1979) examined the available water supplies in northern MS. Wasson (n.d.) described the decline of available groundwater resources in the Eutaw-McShan aquifer in northeast MS. McBride (1981) simulated the effect of the Divide Cut construction on the groundwater in northeastern MS. Kernodel (n.d.) created a model of groundwater flow in the Cretaceous aquifer of the Lee County area.

Wasson et al. (1965) examined the available water supply for a portion of the state including Clay County. Newcome and Bettandorf (1973) described the available water resource for industrial development in several central MS counties, including Chickasaw, Choctaw and Webster. Bettandorff and Leake (1976) described the available water for industry and agriculture in multiple counties of MS, including Attala, and Wasson (1976) described the hydrogeology of Attala County.

Harvey and Lang (1958) examined the existing studies of Jackson area groundwater resources. Harvey and Grantham (1963) described the Cockfield formation hydrology also near Jackson. Gandl (1979) described the Oligocene aquifer system. Arthur (1994) examined the groundwater in Cockfield and Sparta aquifers (in Hinds, Madison and Rankin Counties). He gave a general description, discussed hydraulic properties, pumpage, water levels and quality and conducted flow simulations. Spencer (1989) examined the groundwater flow in Hinds and Madison Counties.

Callahan et al. (1964) examined the available water in multiple counties including Adams, Claiborne and Jefferson, three counties that NATR traverses. Thomson (1968) discussed the groundwater supply for Rocky Springs Park, which lies along NATR in Claiborne County. Baughman (1972) examined problems associated with water supply for Alcorn College, located in Lorman near NATR and Buono (1983) examined the Southern Hills regional aquifer system found in southeastern Louisiana (LA) and southwestern MS.

Experts: Timothy Gangaware (University of TN, Water Resources Research Center), Joe Holmes and John Bowers (Tennessee Department of Environment and Conservation - TDEC, Division of Water Supply, Columbia district), Jim Hairston (CSREES AL Water Quality Program, also have a directory of experts for various water related topics at http://www.aces.edu/waterquality/experts/experts.htm), Lee Smith, Gail Spears and Patrick Vowell (MS Soil and Water Conservation Commission, Field Staff covering the park's counties), Jim Hoffmann (Groundwater Enquiries, MDEQ), Robert A. Renken (USGS, author of Groundwater Atlas of the United States Arkansas, LA, MS)

Surface water

Water quality

Natchez Trace Parkway

Surface water has not been well studied on NATR. There are a number of reports on the quality of the surface water for AL, TN and MS and others that cover nearby streams, but there has been no compressive study of the surface water in the park. The 1997 RMP states that there are no water quality programs on NATR and discussed the need for baseline data for all the major drainages in the park (NPS 1997). Water quality data for surface water in the states, including areas along NATR, have been monitored by multiple states, federal and local agencies. To comply with Section 303(d) of the Clean Water Act, states are required to compile a list of impaired waters every two years. A list of impaired waterways as of 2002 was compiled by the U.S. Environmental Protection Agency (EPA) and contained 31 waterbodies that intersected NATR (Table 1). Data on water quality (including physical and chemical parameters) and flow of these waterbodies are listed on the USGS website (USGS 2004b).

Table 1. Waterbodies within NATR found on the EPA's 303(d) list as of 2002, which denotes waterbodies that do not meet the standards set for their use. No waterways were listed for AL.

State	Waterway	Concern
MS	Dovivan Creek	sediment/siltation
MS	Twenty-mile Creek	Nutrients
MS	Mantachie Creek	Organic enrichment/low dissolved oxygen
MS	Mackey's Creek	Organic enrichment/low dissolved oxygen
MS	Brown's Creek	Pathogens
MS	Chiwapa Creek	sediment/siltation
MS	Tallabinnela Creek	Organic enrichment/low dissolved oxygen
MS	Mud Creek	sediment/siltation
MS	Chiwapa Creek - seg 2	Biological Criteria
MS	Town Creek	sediment/siltation
MS	Line Creek	Pesticides
MS	Chuquatonchee Creek	sediment/siltation
MS	Houlka Creek	Nutrients
MS	Hanging Moss Creek	Pesticides
MS	Upper Middle Pearl River	Organic enrichment/low dissolved oxygen

Table 1. Continued. Waterbodies within NATR found on the EPA's 303(d) list as of 2002, which denotes waterbodies that do not meet the standards set for their use. No waterways were listed for AL.

State	Waterway	Concern
MS	Bear Creek	Pesticides
MS	Poplar Creek	Biological Criteria
MS	McCurtain Creek	Organic enrichment/low dissolved oxygen
MS	Big Bywy Creek	Nutrients
MS	Upper Big Black River	Organic enrichment/low dissolved oxygen
MS	Bakers Creek	Nutrients
MS	Big Sand Creek	Nutrients
MS	Fourteen Mile Creek	Pathogens
MS	Bogue Chitto/Lime Kiln Creek	Nutrients
MS	Five Mile Creek	Pesticides
MS	Little Bayou Pierre	Organic enrichment/low dissolved oxygen
MS	Bayou Pierre	pH
MS	Lower Bayou Pierre	Nutrients
MS	South Fork Coles Creek	Organic enrichment/low dissolved oxygen
MS	North Fork Coles Creek	Nutrients
TN	Harpeth River Tributaries	Organic enrichment/low dissolved oxygen

Areas along NATR

Barbaro et al. (1969) examined the water quality in multiple recreation areas in the Ross Barnett Reservoir. Tchounwou and Warren (n.d.) also monitored the physiochemical and bacteriological water quality of the reservoir. Wilhelms (1976) conducted a study of the water quality on the Bay Springs Lake. Bednar and Morris (1978) and Bednar (1980b) examined the water quality and flow of the Pearl River. They looked at the river as it flowed between Jackson and Byram, MS, which are just south of the portion of NATR that follows the Pearl River, including the Ross Barnett Reservoir. Bednar (1980a) also examined the water quality and flow of the Yockannookay River in Choctaw County, MS. NATR follows the lower two-thirds of the river until it flows into the Pearl River. Baron (1987; 1988) examined the lead content of sediments beneath and downstream of the NATR Bridge that crosses the Tennessee River.

Tennessee

Surface water quality in TN has been documented in a number of water resource reports since 1965 (e.g., U.S. Geological Survey 1983, 1984, 1986, 1987). Wilson (1971) described the water and air pollution associated with Nashville. Outlaw et al. (1994) conducted a study on five watersheds near Nashville and they examined rainfall, water flow and water quality. Quinones et al. (1992) conducted a study on the groundwater and streams near the Wayne County landfill, TN. They examined water quality, streamflow, bottom sediments and biological data of the water resources.

Alabama

Surface water quality in AL has been documented in a number of reports since 1965 (e.g., U.S. Geological Survey 1972b, 1974b, 1975b, 1979a). Bingham (1979 a&b) discussed the low-flow characteristics of AL streams. Arce (1980) described the chemistry of water found in AL ponds. Fay et al. (1981) conducted a hydrogeochemcial and stream sediment study in AL. They collected groundwater, stream water and stream sediment from various sites around the state and discussed field measurements and observations for each site.

Mississippi

Gaydos (1965) described the chemical composition of surface waters in MS during 1945 through 1962. Surface water quality in MS has been documented in a number of reports since 1965 (e.g., U.S. Geological Survey 1972c, 1973b, 1974c, 1975c, 1978, 1979b). Kalkhoff (1982a) examined the water quality and flow of Bakers Creek in Hinds County.

Supply and flow

Areas along NATR

Wilson (1972) described the effect Hurricane Camille had on the Ross Barnett Reservoir. Carroon (1982) discussed the 1979 flooding of the Pearl River in the Jackson area. Landers (1988) examined possible effects of land subsidence on the flood profiles of the Pearl River and Wilson (n.d.) described a major flood of the Pearl River at Jackson.

Burchett (1977) examined the existing water resources found in the Upper Duck River Basin in central TN. Brakenridge (1982; 1984; 1985) described the geologic history of the formations along the Duck River, which crosses NATR near Columbia, TN. They also addressed the environmental controls that affected the fluvial system. Hutson (1993) examined water use in the Duck River Basin by examining the current water supply and predicted potential future demands.

Tomaszewski (1981; 1982) described monitoring that was conducted near the Tennessee-Tombigbee Waterway, which runs near NATR in MS and AL. Colson and Gardner (1982) reviewed the surface-water data that existed on the Upper Tombigbee River Basin. Morris (1984) described the hydrologic surveys conducted on the Tennessee-Tombigbee Waterway during 1983.

Abbott (2000) conducted a survey of the water springs that exist on the Ackerman Unit of the Tombigbee National Forest. She found 45 springs and 32 seeps in the study area. Water quality analysis of these water supplies found that the pH and iron levels did not meet the Environmental Protection Agency's water safety standards.

Tennessee

Randolph and Gamble (1979) described the characteristics associated with flooding of a creek in Davidson County. Outlaw (1993) examined the hydrology of two waterways in Maury County.

Alabama

Surface water data in AL has been documented in a number of reports since 1965 (e.g., U.S. Geological Survey 1972a, 1973a, 1974a, 1975a).

Mississippi

Kalkhoff (1982b) examined water resources in areas of MS with oil and gas production. He discussed the specific conductance and the concentrations of dissolved chloride found in streams and freshwater aquifers. Kalkhoff (1983) described the surface hydrology of areas that had a potential for lignite mining, including Choctaw County. Wilson (1979) examined the evolution of the Homochitto River (in southeast MS) and its tributaries from 1938 to 1974.

Experts: Timothy Gangaware (University of TN, Water Resources Research Center), Joe Holmes and John Bowers (TDEC, Columbia district), William Deutsch (AL Water Watch), Jim Hairston (CSREES AL Water Quality Program, also have a directory of experts for various water related topics at http://www.aces.edu/waterquality/experts/experts.htm), Lee Smith, Gail Spears and Patrick Vowell (MS Soil and Water Conservation Commission, Field Staff covering the park's counties)

AIR QUALITY

There have been no comprehensive studies of the air quality on the parkway (NPS 1997). Although no data has been collected on the park, summaries of ambient air monitoring are available for MS, TN and AL on their respective air quality websites for some years and are available on their websites (Alabama Department of Environmental Management 2004; Mississippi Department of Environmental Quality 2004; Tennessee Department of Environment and Conservation 2004). A searchable database for historic and current air quality measurements for each of the states, including stations along the NATR, is also available through the U.S. Environmental Protection Agency's website. Air quality along NATR is listed a Class II under the Clean Air Act according to an environmental assessment of bridge replacements (NPS 1998). This listing allows for moderate degradation of air quality. Although, populated areas surrounding NATR are the primary source for air pollutants there also is concern about the incremental additions from pollutants that emerge from the parkway's automobile traffic.

Mississippi has been monitoring air toxics for two years at two sites near NATR: Tupelo and Jackson. A third site will be added at Grenada in 2004. All sites monitor the 33 pollutants that are part of the EPA Urban Air Toxics Monitoring (UATM) Program (Environmental Protection Agency 2004).

NATR's air quality can be assessed from the National Atmospheric Deposition Program/National Trends Network (NADP/NTN) data collected at the Hatchie NWR, TN site (#TN14, ~110 miles northwest of NATR at its nearest point), operational since 1984; the Clinton, MS site (#MS10, ~5 miles southeast of NATR at its nearest point), operational since 1984; and the Coffeeville, MS site (#MS30, ~40 miles southeast of NATR at its nearest point), operational since 1984.

The Hatchie NWR site data show a decrease in deposition of wet sulfate, an increase in concentration of wet ammonium, an increase in concentration of wet nitrate, and no overall trend in concentration of wet sulfate, deposition of wet nitrate, and deposition of wet ammonium. The Clinton site data show a slight decrease in wet sulfate concentration and deposition, but no trend in wet nitrate concentration and deposition and no trend in wet ammonium concentration and deposition. The Coffeeville site data show no trends in concentration or deposition of wet sulfate, concentration or deposition of wet nitrate, and concentration or deposition of wet ammonium.

The NADP Mercury Deposition Network (MDN) sites nearest to NATR are the Oak Grove, Perry County, MS site (#MS22, ~ 105 miles southeast of NATR) and the Chase, LA site (#LA10, ~35 miles west of NATR). The Chase site had the highest maximum total mercury concentration (338 ng/L) of all the MDN sites in the Gulf Coast Network.

The Clean Air Status and Trends Network (CASTNet) sites nearest to NATR are the Edger Evins State Park, TN site (#ESP127, ~100 miles northeast of NATR at its nearest point), operational since 1988; the Coffeeville, MS site (#CVL151, ~40 miles southeast of NATR at the nearest point), operational since 1988; and the Caddo Valley, AR site (#CAD150, ~215 miles northeast of NATR at its nearest point). The nearest Interagency Monitoring of Protected Visual Environments (IMPROVE) sites are the Sikes, LA site (#SIKE, ~75 miles west of NATR at its nearest point) and the Sipsey Wilderness Area, AL site (#SIPS, ~50 miles southeast of NATR at its nearest point), operational since 1992. The proximity of all of these sites, with the exception of the Caddo Valley site, is such that they could probably provide meaningful data for assessing acid deposition and/or visibility.

Two studies conducted near Nashville also provide information on air quality near that portion of the park. Carlton and Lehman (1971) examined the air pollution using neutron activation analysis and Wilson (1971) described the water and air pollution associated with Nashville.

Experts: Mary Evelyn Barnes and Mike Norcom (Air quality and monitoring, Office of Pollution Control Air Division, ADEM), Joe Holmes and John Bowers (TDEC, Columbia district), B.J. Hailey, Thomas Dzomba (EPA)

ECOSYSTEM STUDIES

Through its length, the NATR traverses six forest types and eight watersheds, which include rivers, lakes and wetlands (NPS 1997). A number of studies have been conducted on the vegetation, waterways and the faunal community within these habitats along NATR. Because the shape of this park is long and narrow, much of the information on these ecosystems is concentrated in national forests, state parks and waterways that are situated on or near NATR. Few studies have been conducted specifically on NATR.

FORESTS

Doehler (1977) conducted a study in the Tombigbee National Forest on the weight and nutrients of canopy foliage and forest litter during secondary succession. Smalley (1983) classified the forest sites on the western Highland rim and Pennyroyal including counties that encompass NATR. He classified 25 land types based on soils, geology and vegetation. Toops (1989) conducted an age structure inventory on five pineland areas on the NATR. He provided baseline data on three of the forest types found along the parkway including: loblolly, shortleaf, loblolly/shortleaf. Walkinshaw and Barnett (1995) studied the ability of loblolly pines to tolerate fusiform rust. One of the study sites was located along NATR. Mora and Jahren (2003) conducted a study on the effect of plant development on transpiration in three state parks in the southeast including Natchez State Park in MS along NATR. They examined rain, ground and soil waters to establish the baseline isotopic character of the various water supplies and compared these to each other and the leaf water throughout the season.

The TNC biological survey detailed how the history of the land has shaped the communities that currently exist along the parkway (TNC 1996a). Due to the disturbances caused by American Indians (e.g., clearing brush with fire) followed by the Europeans (e.g., timber harvesting followed by agriculture then abandonment of agriculture, fire exclusion and increase in pine plantations), the landscape along the parkway is generally at least third or forth growth forest.

Skordinski (1998) conducted a study on the association between the Red-cockaded Woodpecker (RCW) and the southern pine beetle (SPB) in the Homochitto National Forest. She found that the RCW and SPB used similar habitat and future occurrences could be predicted using heterogeneity maps. Bowman (1999) conducted a study on the suitability of habitat in MS for black bear restoration. He created a landscape model of reintroduction suitability based on both habitat quality and attitudes of the nearby residents. He found that Homochitto National Forest was one forest where reintroduction would be possible and predicted that it would support a greater density of bears than other nearby sites. Reynolds (2001) examined the effects of timber management on avian populations in the Tombigbee National Forest and neighboring Noxubee NWR. He monitored the effects on select bird species in hardwood, pine and mixed habitat types of multiple age classes.

Timber management and land management plans have been developed for a number of national forests in MS, including Homochitto, Holly Springs and Tombigbee (U.S. Forest Service 1949, 1978, 1995).

RIVERS AND LAKES

NATR Waterways

Ross (1994) compiled information from a MS fish distribution database on the fish species that exist in the immediate vicinity of NATR. He documented 122 species of fish, including 2 state listed species. Species are broken down by waterbody and by drainage. During a later survey, Ross et al. (1996) created a baseline inventory of the fish community at the southern terminus of NATR. In addition to the fish inventory they also produced habitat descriptions. Paxton et al. (2000) conducted a survey of the fish community existing along the TN portion of NATR. They primarily examined the literature and museum records and documented 83 species, 30 percent of which were darters.

Ross Barnett Reservoir

Grantham (1967) conducted an aquatic weed survey in the Ross Barnett Reservoir, which runs along a portion of the NATR in MS. Hoskin (1973) examined the accumulation of sediment in three reservoirs in MS including the lower Ross Barnett Reservoir.

Wilson (1972) described the effect Hurricane Camille had on the Ross Barnett Reservoir. Oakley (1984) described the groundwater quality and supply, Barbaro et al. (1969) examined the water quality, and Tchounwou and Warren (n.d.) monitored the physiochemical and bacteriological water quality of the Ross Barnett Reservoir.

A number of studies have been conducted on fish community in the Ross Barnett Reservoir. Barkley (1971) conducted a study on the fisheries of the Ross Barnett Reservoir. Knight and Herring (1972) conducted a study on the mercury contamination in largemouth bass from individuals in the Ross Barnett Reservoir. Muncy and Phalen (1988) conducted a study on the striped bass x white bass hybrids found in the Ross Barnett Reservoir. In a later report, Muncy (1990) described the results of a radio telemetry study of the habitats used by the adult hybrids in the area. Demauro (1990) examined movement, habitat and food supply of hybrid striped bass in the Ross Barnett Reservoir. He documented the timing of migration and associated environmental factors as well as important food items. Allen and Miranda (2001) used population models to examine crappie population cycles. They compared the data produced from the modeling attempts with 32 years of data from sampling in the Ross Barnett Reservoir. They found similar cycles between the two data sets and found the cycles were closer to quasi-cycles than true cycles due to environmental and density-dependent factors.

Gunter (1976) conducted a study on the general ecology of the rotifer, *Sinantherina semibullata,* in the Ross Barnett Reservoir. He found a wide distribution and associations with algae and macrophytes. Cooper and Knight (1985) examined data on the relationship between macroinvertebrates and sediments from the Ross Barnett Reservoir.

Tombigbee Waterway/Bay Springs Lake

Tomaszewski (1981; 1982) described monitoring that was conducted near the Tennessee-Tombigbee Waterway. Colson and Gardner (1982) reviewed the surface-water data that existed on the Upper Tombigbee River Basin. Morris (1984) described the hydrologic surveys conducted on the Tennessee-Tombigbee Waterway during 1983.

Miranda (1986) examined the dispersal of fish in two lakes in MS. He found that some species not historically found in the Tombigbee River now existed and may be reproducing in the Bay Springs Lake. He also examined the reproductive ecology of the largemouth bass. Wilhelms (1976) conducted a study of the water quality on the Bay Springs Lake.

Pearl River

Bednar and Morris (1978) and Bednar (1980b) examined the water quality and flow of the Pearl River between Jackson and Byram, MS. Carroon (1982) and Wilson (n.d.) discussed floods of the Pearl River in the Jackson area and Landers (1988) examined possible effects of land subsidence on the flood profiles of the Pearl River.

Other waterbodies

Burchett (1977) examined the existing water resources found in the Upper Duck River Basin in central TN. Brakenridge (1982; 1984; 1985) described the geologic history of the formations along the Duck River. They also addressed the environmental controls that affected the fluvial system. Hutson (1993) examined water use in the Duck River Basin by examining the current water supply and predicted potential future demands.

Bednar (1980a) examined the water quality and flow of the Yockannookay River in Choctaw County, MS. Baron (1987; 1988) examined the lead content of sediments beneath and downstream of the NATR Bridge that crosses the Tennessee River. The U.S. Army Corps of Engineers (1995) described habitat restoration of a portion of Twentymile Creek that crosses NATR. Abbott (2000) conducted a survey of the water springs that exist on the Ackerman Unit of the Tombigbee National Forest, 10 east of NATR. She found 45 springs and 32 seeps in the study area. Water quality analysis of these water supplies found that the pH and iron levels did not meet the Environmental Protection Agency's water safety standards.

Johnson and Phillips (1999) examined the fish and mussel communities of the Bear Creek drainage, a major river in northern MS and southern AL that crosses and in portions parallels NATR, and documented 35 species. Jackson et al. (2001) conducted a survey of the fish and benthic macroinvertebrate community found in the Little and Middle Byway creeks along NATR in Choctaw County, MS. They characterized the habitat and created a species list based on field surveys.

WETLANDS

Carter and Burbank (1978) developed a wetland classification system for use in the Tennessee Valley area.

NATR (1997c) described the soils, vegetation and hydrology of 16 wetlands located near a hazardous parkway crossing for the Palmetto Road grade separation project. In a supplemental report to the same project, NATR (1997b) described the six wetlands within the affected area of the project. A similar description of the wetlands found near the southern end of the parkway was recorded in NATR (1997d). This report supplemented an Environmental Impact Statement for the area. The NATR (1997a) report described a wetlands mapping project for this area. A delineation of wetlands and open waters was conducted for replacement bridges along NATR at Sweetwater Branch, Cypress Creek, Cypress Creek relief and Cooper Branch (Greene 1998). A NPS (1998) document followed that addressed the environmental assessment for Cypress Creek, Cypress Creek Relief and Cooper Branch Bridge replacements. This document examined the vegetation, soils and hydrology for wetland characteristics and detailed impacts that could occur to wetlands around these bridges.

MANAGEMENT ISSUES

Because of the parkway's long thin shape and its proximity to multiple large cities with increased suburbanization of the landscape, it is subject to many environmental problems, including air and water quality, disturbed lands, hydrologic disruption, exotic species and pests. A detailed list of management issues and concerns that face NATR and how these issues may affect the park's resources can be found in Appendix B. Four major issues are discussed below.

EXOTIC SPECIES

During the TNC biological survey (1996a), 19 exotic plant species were documented, including periwinkle (*Vinca minor*), garlic-mustard (*Alliaria officinalis*), trumpet creeper (*Campsis radicans*), empress tree (*Paulownia tomentosa*), corn-gromwell (*Lithospermum arvense*), tumbling mustard (*Sisymbrium altissimum*), Japanese honeysuckle (*Lonicera japonica*), common day-flower (*Commelina communis*), cinnamon-vine (*Dioscorea batatas*), gill-over-the-ground (*Glechoma hederacea*), mimosa (*Albizia julibrissin*), privet (*Ligustrum vulgare*), microstegium (*Microstegium viminium*), lady's-thumb (*Polygonum persicaria*), bitter dock (*Rumex obtusifolius*), supple-jack (*Berchemia scandens*), Indian strawberry (*Duchesnea indica*), bedstraw (*Galium mollugo*) and tree of heaven (*Ailanthus altissima*). This study also found a heavy infestation of Japanese honeysuckle along much of NATR in all three states. Pine stands had the heaviest infestation. The 1997 RMP described management for exotic species (NPS 1997). Those species that pose the greatest threat to the parkway include kudzu (*Pueraria lobata*), Japanese honeysuckle, mimosa and fire ants (*Solenopsus* sp.). NATR personnel have implemented limited programs designed to control populations through the use of chemicals and cutting. The 1997 RMP also discussed the need for a complete list of the park's exotic species in order to develop a program to protect the native resources of the park.

NUISANCE SPECIES

Three species native to the area are considered nuisance species on NATR or in areas adjacent to the parkway. White-tailed deer (*Odocoileus virginianus*) are abundant throughout the parkway. The 1997 RMP described the need for a home range and travel pattern study of white-tailed deer in an attempt to reduce or prevent vehicle/deer accidents (NPS 1997). Beavers (*Castor Canadensis)* can cause problems along the parkway when dams block drainage and culverts, which can erode the roadbed or they can affect neighboring landowners when the water backs up onto these private lands (NPS 1997). The 1997 RMP also describes the need for a Beaver Management Plan to help determine which beaver dams should be removed due to potential problems and which should be left for wildlife habitat. A third species, the southern pine beetle (*Dendroctonus frontalis*), can cause major problems when infestation from park lands extends into private lands or highly valued park areas. A modified treatment program is applied in these cases (NPS 1997).

ADJACENT LAND-USE IMPACTS

Populated areas surrounding NATR are the primary source for air pollutants. There also is concern about the incremental additions from pollutants that emerge from the parkway's automobile traffic (NPS 1998).

Residential and industrial development has been increasing along NATR (NPS 1997). This increased development threatens the parkway's scenic quality as well as its natural resources including air and water quality. Increased channelization of local streams has been occurring as well to promote farmland and residential development. Intense farming practices (high levels of fertilizers, pesticides and tillage) have also increase the pollution of those streams.

PARKWAY CONSTRUCTION IMPACTS

A number of reports have been written on mitigation of the effects of the parkway construction. These include reports on wetland delineation (NATR 1997a), minimization of the effects of erosion (NPS 1957; 1992), and use of revegetation as a mitigation procedure (NPS 1955; 1992). There are also reports on the possible effects of bridge replacement on waterways in and along NATR including Greene (1998) and NPS (1998) examine.

LITERATURE CITED

Abbott, C. L. 2000. Spring inventory of Tombigbee National Forest, Ackerman Unit, Mississippi. Thesis. Mississippi State University, Starkeville, MS.

Accipiter Biological Consultants. 1999. Natchez Trace Parkway amphibian and reptile inventory project. Accipiter Biological Consultants, Portal, AZ.

Accipiter Biological Consultants. 2001. Natchez Trace Parkway amphibian and reptile inventory project, Final report. Accipiter Biological Consultants, Portal, AZ.

Affeltranger, C. E. 1994. A survey of Dutch elm disease from Jackson to Tupelo, MS on the Natchez Trace Parkway, June 1994. U.S. Forest Service, Asheville, NC. No. 94-2-11.

Alabama Department of Environmental Management. 2004. Air Quality. Alabama Department of Environmental Management. http://www.adem.state.al.us/AirDivision/Ozone/AirQuality.htm (Accessed June).

Alexander, R. R., and M. A. Gibson. 1993. Paleozoic brachiopod autecology based on taphonomy: example from the Devonian Ross Formation of Tennessee (USA). Palaeogeography Palaeoclimatology Palaeoecology **100**:25-35.

Allen, M. S., and L. E. Miranda. 2001. Quasi-cycles in crappie populations are forced by interactions among population characteristics and environment. Canadian Journal of Fisheries and Aquatic Sciences **58**:594-601.

Andrews, M. C., W. D. Mooney, and R. P. Meyer. 1985. The relocation of microearthquakes in the northern Mississippi Embayment. Journal of Geophysical Research **90**:10223-10236.

Anthony, C. C. J. 1959. The bluffport marl member of the demopolis formation in Clay County, Mississippi. Thesis. Mississippi State University, Mississippi State, MS.

Arce, R. G. 1980. Water chemistry of Alabama ponds. Dissertation. Auburn University, Auburn, AL.

Argialas, D. P., R. G. Stearns, and F. Shahrokhi. 1988. Mapping of Landsat satellite and gravity lineaments in West Tennessee. Journal of Aerospace Engineering **1**:74-87.

Arthur, J. K. 1980. Background hydrologic information in potential lignite mining areas in Mississippi, August 1980. U.S. Geological Survey, Reston, VA. Open file report No. 81-0421.

Arthur, J. K. 1982. Background hydrologic information in potential lignite mining areas in Mississippi, August 1981. U.S. Geological Survey, Reston, VA. Open file report No. 82-0326.

Arthur, J. K. 1994. Generalized description and analysis of ground-water flow in the Cockfield and Sparta aquifers in Hinds, Madison, and Rankin counties, Mississippi. Water Resources Investigations. U.S. Geological Survey, Reston, VA. Open File Report No. 93-4143.

Austin, R. M., Jr. 1997. The cutaneous bacterial flora of the eastern zigzag salamander, Plethodon dorsalis Cope (Amphibia: *Plethodontidae*). Dissertation. The University of Mississippi.

Barbaro, R. D., B. J. Carroll, L. B. Tebo, and L. C. Walters. 1969. Bacteriological water quality of several recreational areas in Ross Barnett Reservoir. Journal Water Pollution Control Federation **41**:1330.

Barkley, H. 1971. Ross R. Barnett Reservoir fisheries investigations. Mississippi Game and Fish Commission, Fisheries Division, Jackson, MS.

Baron, J. 1987. Sediment lead content underneath and downstream of the Natchez Trace Parkway Bridge over the Tennessee River (draft). National Park Service, Water Resources Division, Tupelo, MS.
Baron, J. 1988. Sediment lead content-bridge. National Park Service, Tupelo, MS.
Baughman, W. T. 1972. An investigation of water supply problems at Alcorn College, Lorman, Mississippi. Mississippi Geological, Economic, and Topographical Survey Bulletin **72**.
Beavers, W. M. 1977. The depositional environments of the Hartselle Sandstone in Colbert and Franklin counties, Alabama. Thesis. University of Alabama, Tuscaloosa, AL.
Bednar, G. A. 1980a. Quality of water and time of travel in Yockanookany River, Choctaw County, Mississippi. U.S. Geological Survey, Reston, VA. Open file report No. 80-0770.
Bednar, G. A. 1980b. Quality of water in the Pearl River, Jackson to Byram, Mississippi, September 21-22, 1976. U.S. Geological Survey, Reston, VA. Open file report No. 80-0575.
Bednar, G. A., and F. I. Morris. 1978. Quality of water and time of travel in the Pearl River, Jackson to Byram, Mississippi. U.S. Geological Survey, Reston, VA. Open file report No. 78-1032.
Bergquist, H. R., and E. F. Overstreet. 1965. Bauxite deposits of the Margerum district, Alabama. U.S. Geological Survey Bulletin No. 1199-D.
Berner, T. L., J. M. Sant, and P. R. Kemmerly. 1982. The Centerville Natural Bridge. 91st annual meeting of the Tennessee Academy of Science. Clarksville, TN.
Bettandorff, J. M., and S. A. Leake. 1976. Water for industrial and agricultural development in Attala, Holmes, Humphreys, Issaquena, Sharkey, and Yazoo counties, Mississippi. Mississippi Resource and Developement Center, Jackson, MS.
Bicker, A. R., Jr. 1966. Claiborne County geology and mineral resources. Mississippi Geological, Economic, and Topographical Survey Bulletin No. 107.
Bingham, R. H. 1979a. Low-flow characteristics of Alabama streams. U.S. Geological Survey, Reston, VA. Open file report No. 79-0208.
Bingham, R. H. 1979b. Regionalization of low flow in Alabama streams. Geological Survey Professional Paper **1150**:112.
Bishop, M. M. 1987. The vascular flora of Tombigbee State Park, Lee County, Mississippi. Thesis. University of Mississippi.
Black, D. M. 1960. Medicinal plants of the Natchez Trace Parkway. National Park Service, Tupelo, MS.
Black, D. M. 1961. Ordovician geology of the Natchez Trace Region in Tennessee. Natchez Trace Parkway, Tupelo, MS.
Black, D. M. 1963. Illustrated guide to the climbing plants of the Parkway. Natchez Trace Parkway, Tupelo, MS.
Black, D. M. n.d. Preliminary inventory of geological features of the Natchez Trace Parkway. Natchez Trace Parkway, Tupelo, MS.
Black, D. M., and W. B. Mcdougall. 1951. Climbing plants. National Park Service, Tupelo, MS.
Blackwell, W. H., and G. H. Dukes. 1982. Fossil hop-hornbeam wood from Rankin County, Central Mississippi. Mississippi Geology **2**.
Bograd, M. 1980. Earthquake history of Mississippi. Fourty-fourth annual meeting of the Mississippi Academy of Sciences. MS:39.
Boswell, E. H. 1976a. The lower Wilcox Aquifer in Mississippi. U.S. Geological Survey, Reston, VA.

Boswell, E. H. 1976b. The Meridian-upper Wilcox Aquifer in Mississippi. U.S. Geological Survey, Reston, VA. Water-Resources Investigations Report No. 76-0079.
Boswell, E. H. 1977. The Eutaw-McShan Aquifer in Mississippi. U.S. Geological Survey, Reston, VA.
Boswell, E. H. 1978. The Tuscaloosa Aquifer system in Mississippi. U.S. Geological Survey Water-Resources Investigations Report, Reston, VA. Water-Resources Investigations Report No. 78-0098.
Bowen, C. D. 1994. Soil survey of Colbert County, Alabama. USDA Soil Conservation Service, Washington, D.C.
Bowman, J. L. 1999. An assessment of habitat suitability and human attitudes for black bear restoration in Mississippi. Dissertation. Mississippi State University, Starkeville, MS.
Brackeen, L. G., and A. L. Gray. 1939. Soil survey of Colbert County, Alabama. USDA Bureau of Chemistry and Soils with Alabama Department of Agriculture and Industries, Washington, D.C.
Brakenridge, G. R. 1982. Alluvial stratigraphy and geochronology along the Duck River, central Tennessee; a history of changing floodplain sedimentary regimes. Dissertation. University of Arizona, Tucson, AZ.
Brakenridge, G. R. 1984. Alluvial stratigraphy and radiocarbon dating along the Duck River, Tennessee; implications regarding flood-plain origin. Geological Society of America Bulletin **95**.
Brakenridge, G. R. 1985. Rate estimates for lateral bedrock erosion based on radiocarbon ages, Duck River, Tennessee. Geology (Boulder) **13**:111-114.
Brass, P. R. 2002. Soil survey of Attala County, Mississippi. USDA National Resources Conservation Service, Washington, D.C.
Breard, S. Q. 1978. Macrofaunal ecology, climate and biogeography of the Jackson Group in Louisiana and Mississippi. Thesis. Northeast Louisiana University, Monroe, LA.
Broussard, M., and A. W. Cleaves. 1979a. Chester (Upper Mississippian) depositional systems of the Black Warrior Basin. Geological Society of America, Abstract Programs **11**:172.
Broussard, M., and A. W. Cleaves. 1979b. Upper Mississippian deltas in Black Warrior Basin of Mississippi and Alabama. American Association of Petroleum Geologists **63**:1596-1597.
Brown, C. S. 1945. Tishomingo State Park: Botany. Natchez Trace Parkway, Tupelo, MS.
Buono, A. 1983. The Southern Hills regional aquifer system of southeastern Louisiana and southwestern Mississippi. U.S. Geological Survey, Reston, VA. Water-Resources Investigations Report No. 83-4189.
Burchett, C. R. 1977. Water resources of the upper Duck River basin, central Tennessee. U.S. Geological Survey Water-Resources Investigations Report
Burchett, C. R., A. Zurawski, A. K. Sparkes, and E. F. Hollyday. 1983. Ground water in carbonate rocks and regolith in the Fairview area, Tennessee. U.S. Geological Survey, Reston, VA. Water-Resources Investigations Report No. 83-4134.
Cagle, J. W., and A. M. Khan. 1983. Smackover-Norphlet stratigraphy, South Wiggins Arch, Mississippi and Alabama. Houston Geological Society Bulletin **26**.
Callahan, J. A. 1976. Water use in Mississippi, 1975. U.S. Geological Survey, Reston, VA. Water-Resources Investigations Report No. 76-0125.
Callahan, J. A. 1979. Public and industrial water supplies in northern Mississippi. Mississippi Board Water Commissioners Bulletin **79**.

Callahan, J. A., J. Skelton, D. E. Everett, and E. J. Harvey. 1964. Available water for industry in Adams, Claiborne, Jefferson, and Warren counties, Mississippi. Mississippi Industrial and Technical Resource Communication, Jackson, MS.
Carlsen, G. M. 1978. Variations of gravity field intensity in the Mississippi Embayment region. Thesis. Northern Illinois University, DeKalb, IL.
Carlton, R. F., and A. J. Lehman. 1971. Analysis of Nashville air pollution via neutron activation analysis. Journal of the Tennessee Academy of Science **46**:63-65.
Carroon, L. E. 1982. Flood of April 1979 on Pearl River in Jackson, Mississippi, and vicinity. Map. U.S. Geological Survey, Reston, VA.
Carter, V., and J. H. Burbank. 1978. Wetland classification system for the Tennessee Valley region. Tennessee Valley Authority, Division of Forestry, Fisheries, and Wildlife Development, Norris, TN.
Chandler, R. V., and J. D. Moore. 1991. Hydrogeologic and water quality evalution of storm-water drainage wells, Muscle Shoals area, Alabama. Map.
Childress, S. C., and M. Bograd. 1976. Geology and man in Adams County, Mississippi. Mississippi Geological, Economic and Topographical Survey.
Clement, C. R., and T. W. Broadhead. 1994. Biostratigraphy and biogeography of Late Silurian-Early Devonian echinoderms. University of The State of New York, State Department of Education, Albany, NY.
Clendenon, D. F. 1994. Soil survey of Hickman County, Tennessee. USDA National Resources Conservation Service, Washington, D.C.
Clendenon, D. F. 2000. Soil survey of Wayne County, Tennessee. USDA National Resources Conservation Service, Washington, D.C.
Cole, W. A., R. W. Smith, J. W. Keyes, F. T. Scott, and L. B. Walton. 1979. Soil survey of Hinds County, Mississippi. USDA Soil Conservation Service, Washington, D.C.
Colson, B. E., and R. A. Gardner. 1982. Compendium of available surface-water data in the upper Tombigbee River basin. U.S. Geological Survey, Reston, VA. Open file report No. 82-0558.
Cook, P. R. 1986. Sedimentary structures as possible indicators of depositional environment in the McShan Formation (Upper Cretaceous) in Mississippi and Alabama. Mississippi State University, Oxford, MS.
Cooper, C. M., and L. A. Knight. 1985. Macrobenthos-sediment relationships in Ross-Barnett Reservoir, Mississippi. Hydrobiologia **126**:193-197.
Corgan, J. X., M. L. Jones, B. M. Butler, and T. M. Baggett. 1976. Recent excavations at the Darks Mill site (Pleistocene). Journal of the Tennessee Academy of Science **51**:54.
Cotter, J. L. n.d. Stratigraphy & area tests. National Park Service, Tupelo, MS.
Coyle, D. R. 1981. Depositional environment and reservoir characteristics of Lower Cretaceous Paluxy sandstones, Bolton Field, Hinds County, Mississippi. 1981 American Association of Petroleum Geologists annual convention:1012-1013.
Dalsin, G. J. 1979. Plan for studies of lignite hydrology in Mississippi. U.S. Geological Survey, Reston, VA. Open file report No. 79-0740.
Davis, W. 1975. Plant succession on the Natchez Trace Parkway. Natchez Trace Parkway, Tupelo, MS.
Demauro, R. A. 1990. Movements, habitat associations, and food of hybrid striped bass in Ross Barnett Reservoir, Mississippi. Thesis. Mississippi State University, Starkeville, MS.

Dey, J. P. 1990. Partial lichen species list for Natchez Trace Parkway. Illinois Wesleyan University, Bloomington, IL.
Dockery, D. T. 1977. Mollusca of the Moodys Branch Formation, Mississippi. Mississippi Geological Economic and Topographic Survey, Bulletin.
Dockery, D. T. 1985. Tar pods from the Yazoo Clay (upper Eocene) at Cynthia, Mississippi. Mississippi Geology **5**.
Dockery, D. T., and E. M. Manning. 1986. Teeth of the giant shark Carcharodon auriculatus from the Eocene and Oligocene of Mississippi. Mississippi Geology **7**.
Doehler, K. W. 1977. Estimates of the weights and nutrient contents of the canopy foliage and litter during secondary succession on the upper coastal plain of Mississippi. M.S. Mississippi State University, Mississippi State, MS.
Easom, W. D., J. P. Bradshaw, and R. J. Smith. 1979. Electrical logs of water wells and test holes on file at the Bureau of Geology and Energy Resources. Mississippi Department of Natural Resources, Bureau of Geology and Energy Resources, Jackson, MS.
Environmental Protection Agency. 2004. Technology Transfer Network Air Toxics Website. Environmental Protection Agency. http://www.epa.gov/ttn/atw/urban/urbanpg.html (Accessed 25 July 2004).
Ericksen, R. L. 1992. A core hole drilled to evaluate the Pennsylvanian coalbed methane potential in Clay County, Mississippi. Mississippi Geology **13**:71-75.
Estes, C. 1980. Mississippi surface mining and reclamation; a working example. Mississippi Geology **1**.
Fay, W. M., K. A. Sargent, and J. R. Cook. 1981. Data report; Alabama and Georgia; hydrogeochemical and stream sediment reconnaissance. U.S. Department of Energy, Grand Junction, CO. No. GJBX-403-81, DPST-81-146-21.
Floyd, B. J. 1951. Geology of the West Harpeth area, Spring Hill Quadrangle, Williamson County, Tennessee. Thesis. Vanderbilt University, Nashville, TN.
Floyd, M. D. 1995. The vascular flora of Trace State Park, Pontotoc County, Mississippi. Thesis. University of Mississippi.
Frazier, M. K. 1980. Archaeocetes; whale - like mammals from the Eocene of Mississippi. Mississippi Geology **1**.
Frederiksen, N. O. 1980. Sporomorphs from the Jackson Group (upper Eocene) and adjacent strata of Mississippi and western Alabama. U.S. Geological Survey, Reston, VA. Professional Paper No. 1084.
Frederking, R. L., V. Minshew, and W. and Uttamo. 1978. Remote sensing as an exploration tool; Black Warrior Basin, Mississippi. Geological Society of America **10**:169.
Gandl, L. A. 1979. The Oligocene aquifer system in Mississippi. U.S. Geological Survey, Reston, VA. Water Resources Investigations No. 79-0028.
Garber, M. C. 1973. Soil survey of Lee County, Mississippi. USDA Soil Conservation Service, Washington, D.C.
Gaydos, M. W. 1965. Chemical composition of Mississippi surface waters, 1945-62. Mississippi Board Water Commissioners Bulletin **65**.
Geib, W. J., and A. L. Goodman. 1911. Soil survey of Adams County, Mississippi. USDA National Resources Conservation Service, Washington, DC.
Gilmore, H. L. 1980a. The depositional environment and diagenetic history of waulsortian type mounds in Southcentral Tennessee. Thesis. Vanderbilt University, Nashville, TN.

Gilmore, H. L. 1980b. Lower Mississippian carbonate mud mounds of South-central Tennessee. Geological Society of America **12**:178.
Goodman, K. V., W. P. Badurina, M. A. Marchant, D. C. Maxwell, L. C. Murphree, J. C. Owens, H. H. Payne, B. N. Rolfe, D. T. Webb, T. Fowlkes, J. A. Herren, and J. H. and Vaden. 1957. Soil survey of Prentiss County, Mississippi. USDA Soil Conservation Service, Washington, D.C.
Grantham, B. J. 1967. Aquatic weed survey of Ross Barnett Reservoir. Mississippi Game and Fish Department, Fisheries Division, Jackson, MS.
Greene, A. S. 1998. Wetland and open water delineation report for Natchez Trace Parkway bridge replacements at Sweetwater Branch, Cypress Creek and Cypress Creek relief, and Cooper Branch, Wayne County, TN. Amy S. Greene Environmental Consultants, Inc., Flemington, NJ.
Gunter, D. D. 1976. The anatomy, histology, and distribution of *Sinantherina semibullata* (Thorpe) from Ross Barnett Reservoir. Thesis. University of Mississippi.
Haley, B. R., and R. F. Bitar. 1984. Sandy Creek Roadless Area, Mississippi.631-632.
Harmon, A. B., E. Lusk, J. R. Overton, J. H. Elder, L. D. Williams, and M. J. Edwards. 1959. Soil survey of Maury County, Tennessee. USDA Soil Conservation Service, Washington, D.C.
Harned, W. V. 1960. Upper Cretaceous igneous activity in Mississippi. MA. University of Mississippi, Oxford, MS.
Harris, H. B., G. K. Moore, and L. R. West. 1963a. Geology and ground-water resources of Colbert County, Alabama. Alabama Geological Survey County Report.
Harris, H. B., R. R. Peace, Jr., and W. F. Harris, Jr. 1963b. Geology and ground-water resources of Lauderdale County, Alabama. Alabama Geological Survey County Report.
Harrison, D., and D. Wilson. 1993. The location and analysis of chert pits to determine paleostream channels. 70th annual meeting of the Alabama Academy of Science. Huntsville, AL:119.
Harvey, E. J., and P. E. Grantham. 1963. Interim report on the hydrology of the Cockfield formation in the vicinity of Jackson, Mississippi. Mississippi Board Water Commissioners Bulletin.
Harvey, E. J., and J. W. Lang. 1958. Ground-water resources of the Jackson area, Mississippi; progress report of current studies. Mississippi Board Water Commissioners Bulletin **58**.
Hileman, G. E. 1990. Water-quality, well-construction, and ground-water level data for an investigation of radionuclides in ground water, Hickman and Maury counties, Tennessee. U.S. Geological Survey, Denver, CO. Open file report No. 90-0190.
Hileman, G. E., and R. W. Lee. 1993. Geochemistry of and radioactivity in ground water of the Highland Rim and Central Basin aquifer systems, Hickman and Maury counties, Tennessee. U.S. Geological Survey, Denver, CO. Water Resources Investigations No. 92-4092.
Hoda, B., and R. A. Barlow. 1977. Geohydrologic studies of Mississippi salt domes. U.S. Department of Energy, Washington, DC.
Hoffman, B. F. 1978. Trace element analysis of the Mississippian Fort Payne Chert, Northeast Mississippi. Geological Society of America **10**:171.
Holman, J. A. 1982. Palaeophis casei, new species, a tiny palaeophid snake from the early Eocene of Mississippi. Journal of Vertebrate Paleontology **2**:163-166.

Hoskin, C. M. 1973. Accumulation of sediment in three Mississippi reservoirs. Mississippi State University, Starkeville, MS.
Hsu, V. 1976. Seismic refraction survey of a power plant site, Northeast Mississippi. Thesis. University of Tennessee, Knoxville, Knoxville, TN.
Hutson, S. S. 1993. Water availability, use, and estimated future water demand in the upper Duck River basin, middle Tennessee. U.S. Geological Survey, Denver, CO. Water Resources Investigations No. 92-4179.
Jackson, D. C., E. D. Dibble, and R. Hashim. 2001. Benthic macroinvertebrates and fish assemblages in Little and Middle Bywy creeks, Natchez Trace Parkway. Annual Report Submitted to the Mississippi Lignite Mining Company. Department of Wildlife and Fisheries, Mississippi State University, Mississippi State, MS.
Johnson, C. E., and B. Phillips. 1999. Fishes and Mussels of the Bear Creek drainage, Mississippi. Department of Fisheries and Allied Aquacultures, Auburn University, Auburn, AL.
Jones, P. M. 1892. The geology of Nashville and immediate vicinity. Dissertation. Vanderbilt University, Nashville, TN.
Jones, V. H., J. L. Cotter, and J. M. Corbett. 1951. Vegetable material, Archeology of the Bynum Mounds Mississippi. Archeology of the Bynum Mounds Mississippi. National Park Service, Tupelo, MS.
Kalkhoff, S. J. 1982a. Quality of water and time of travel in Bakers Creek near Clinton, Mississippi. U.S. Geological Survey, Reston, VA. Open file report No. 82-0427.
Kalkhoff, S. J. 1982b. Specific conductance and dissolved chloride concentrations of freshwater aquifers and streams in petroleum producing areas in Mississippi. U.S. Geological Survey, Reston, VA. Open file report No. 82-0353.
Kalkhoff, S. J. 1983. Background hydrologic information in potential lignite mining areas in Mississippi, July 1982. U.S. Geological Survey, Reston, VA. Open file report No. 83-0257.
Keady, D. M. 1968. A study of the hydrochemical facies of the Cretaceous aquifers of northeastern Mississippi. Mississippi State University, State College, MS.
Kernodle, J. M. n.d. Two-dimensional ground-water flow model of the Cretaceous aquifer system of Lee County and vicinity, Mississippi. U.S. Geological Survey, Reston, VA. No. PB-82 142 852.
Kidd, J. T. 1980. General geology, geophysics, and seismicity of Northwest Alabama; annual progress report; fiscal year 1979. NTIS, Springfield, VA. No. NUREG/CR-0977.
Klippel, W. E., and P. W. Parmalee. 1982. Diachronic variation in insectivores from Cheek Bend Cave and environmental change in the Midsouth, Paleobiology. Paleobiology **8**:447-458.
Knight, L. A., and J. Herring. 1972. Total Mercury in largemouth bass (*Micropterus salmoides*) in Ross Barnett Reservoir, Mississippi - 1970 and 1971. Pesticides Monitoring Journal **6**:103.
Kolb, C. R., E. E. Russell, and W. B. Johnson. 1976a. Guidebook, classic Tertiary and Quaternary localities and historic highlights of the Jackson-Vicksburg-Natchez area. New Orleans Geological Society, New Orleans, LA.
Kolb, C. R., E. E. Russell, and W. B. Johnson. 1976b. Road log; Jackson-Vicksburg-Natchez. New Orleans Geologic Society, New Orleans, LA.
Landers, M. N. 1988. Effects of hypothetical land subsidence on Pearl River flood profiles. Eighteenth Mississippi water resources conference. Jackson, MS:52-55.

Lane, H. C., W. E. Bright, M. C. Tyer, and W. I. Smith. 1973. Soil survey of Pontotoc County, Mississippi. USDA Soil Conservation Service, Washington, D.C.
Lane, H. C., and W. A. Cole. 1963. Soil survey of Claiborne County, Mississippi. USDA Soil Conservation Service, Washington, D.C.
Leake, S. A. 1977. Simulation of flow from an aquifer to a partially penetrating trench. U.S. Geological Survey Journal of Research **5**:535-540.
Lee, R. W., and E. F. Hollyday. 1991. Use of radon measurements in Carters Creek, Maury County, Tennessee, to determine location and magnitude of ground-water seepage. U.S. Geological Survey, Reston, VA. No. B 1971.
Luther, E. T. 1951. Geology of the Spring Hill area, Spring Hill Quadrangle, Maury and Williamson County, Tennessee. Thesis. Vanderbilt University, Nashville, TN.
Madden, R. R. 1964. Phosphate mining (Part II - History). Natchez Trace Parkway, Tupelo, MS.
Maniatis, J. K. 1970. Carbonate petrography of Middle and Upper Ordovician rocks in the Central Basin of Tennessee. The Journal of the Tennessee Academy of Science **45**:53-54.
Maniatis, J. K. 1971. Carbonate petrography of Middle and Upper Ordovician rocks in the Central Basin of Tennessee. The Journal of the Tennessee Academy of Science **46**:143-145.
Marrow, W. E. 1957. Geology of the Leipers Fork Quadrangle, Williamson County, Tennessee.
McBride, M. S. 1981. Predicted effects on ground water of construction of Divide Cut Section, Tennessee-Tombigbee Waterway, northeastern Mississippi, using a digital model. U.S. Geological Survey, Denver, CO. Open file report No. 81-0649.
McDaniel, S. 1992. Sensitive plants of the Tombigee National Forest (Tombigee District). The Nature Conservancy, the U.S. Forest Service, the Garden Club of American and the Institute for Botanical Exploration, Tupelo, MS.
McDougall, W. B. 1951. Checklist of birds. National Park Service, Tupelo, MS.
McDougall, W. B. n.d. Plants of the Natchez Trace Parkway (with illustrations and keys for identification). Natchez Trace Parkway, Tupelo, MS.
Mcmullen, J. W. 1986. Soil survey of Choctaw County, Mississippi. Soil Conservation Service & Mississippi Agricultural Experiment Station, Washington, DC.
Mcmullen, J. W., and J. G. Ford. 1978. Soil survey of Webster County, Mississippi. USDA Soil Conservation Service, Washington, D.C.
Meissner, C. R. J., and S. E. Heermann. 1983. Lignite and the Midway-Wilcox stratigraphic boundary, Mississippi and Alabama. Southeastern Geology **24**:51-55.
Mellen, F. F. 1976. Basal Ottawa Limestone, Chattanooga Shale, Floyd Shale, Porters Creek Clay, and Yazoo Clay in parts of Alabama, Mississippi and Tennessee as potential host rocks for underground emplacement of waste. Union Carbide Corp., Office of Waste Isolation, Oak Ridge, TN. No. Y/OWI/SUB-76/87950.
Merrill, R. K. 1989. The stratigraphic sequence exposed in Tishomingo County. Fifty-third annual meeting of the Mississippi Academy of Sciences. Jackson, MS, Feb. 23-24, 1989:58.
Mettee, M. F., P. H. Moser, and L. Dean. 1978. Use of water in Alabama, 1975, with projections to 2020. Geological Survey of Alabama, University, AL.
Metzger, A. G. 1983. The Northeast Mississippi earthquakes of 29 January and 5 February, 1983. Mississippi Geology **3**.

Milici, R. 1979. Stratigraphy and depositional environments of the Upper Mississippian and Lower Pennsylvanian rocks in the southern Cumberland Plateau of Tennessee. University of South Carolina, Columbia, S.C.
Miller, K. H. 1983. Soil survey of Tishomingo County, Mississippi. USDA Soil Conservation Service, Washington, DC.
Miller, W. I., and L. S. C. Leitch. 1984. Fossil hackberry seeds from the loess at Natchez, Mississippi. Tulane Studies in Geology and Paleontology **18**:89-91.
Minshew, V., R. L. Frederking, A. C. Staheli, and C. A. Gazzier. 1978. Possumneck, Mississippi; anatomy of a buried structural anomaly. The Geological Society of America, Southeastern Section, 27th annual meeting. Chattanooga, TN:176.
Miranda, L. E. 1986. Fish community changes in the Upper Tombigbee River following connection with the Tennessee River, with special reference to largemouth bass-prey interactions in relation to spawning sequence and prey availability. Dissertation. Mississippi State University, Starkeville, MS.
Mississippi Department of Environmental Quality. 2004. Air Division. Mississippi Department of Environmental Quality. http://www.deq.state.ms.us/MDEQ.nsf/page/Air_Homepage (Accessed April 2004).
Mitchell, J. R. 1989. Paleontology; Mississippi petrified wood. Lapidary Journal **42**:41-42.
Monroe, W. H. 1954. Geology of the Jackson area, Mississippi. U.S. Geological Survey, Reston, VA. No. B 0986.
Moore, A. D. 1993. A floristic survey of the Noxubee Crest Natural Area of the Tombigbee National Forest. Thesis. Mississippi State University, Starkeville, MS.
Moore, D. G., J. H. Wilson, and G. P. Smith. 1982. Analysis of charred plant remains for 1Ct44, Colbert County, Alabama. The Rock Creek archaeological project: Natchez Trace Parkway, Colbert County, Alabama. National Park Service, Southeast Archaeological Center, Tallahassee, FL.
Mora, G., and A. H. Jahren. 2003. Isotopic evidence for the role of plant development on transpiration in deciduous forests of southern United States. Global Biogeochemical Cycles **17**.
Morris, F. I. 1984. Hydrologic monitoring in the area of the Tennessee-Tombigbee Waterway, Mississippi-Alabama, fiscal year 1983. U.S. Geological Survey, Reston, VA. Open file report No. 84-0717.
Morris, W. M. 1970. Soil survey, Adams County, Mississippi. USDA National Resources Conservation Service, Washington, DC.
Morris, W. M. 1980. Soil survey of Jefferson County, Mississippi. USDA Soil Conservation Service, Washington, D.C.
Morrison, J. P. E., J. L. Cotter, and J. M. Corbett. 1951. Shell material, Archeology of the Bynum Mounds Mississippi, Archeological Research Series Number One. Natchez Trace Parkway, Tupelo, MS.
Morse, W. C. 1936. The geologic history of Tombigbee state park. Mississippi State Geological Survey, University, MS.
Morse, W. C., and C. S. Brown. 1936. Tishomingo State Park: Geologic history. Mississippi State Geological Survey, University, MS.
Moser, P. H. 1977. The correlations and significance of some solution, structural and weathering features in Northwest Alabama. 54th annual meeting of the Alabama Academy of Science. Tuscaloosa, AL:75.

Muncy, R. J. 1990. Hybrid striped bass evaluations: habitats used by radio-tagged adult hybrids in Ross Barnett Reservoir. Mississippi State, Mississippi Cooperative Fish and Wildlife Research Unit, Jackson, MS. Freshwater fisheries report No. 87.

Muncy, R. J., and P. S. Phalen. 1988. Striped bass x white bass hybrid evaluations in Ross Barnett Reservoir. Mississippi Department of Wildlife Conservation Bureau of Fisheries and Wildlife, Jackson, MS. Freshwater fisheries report No. 65.

Murphree, L. C., J. S. Huddleston, and L. H. Nichols. 1974. Soil survey of Chickasaw County, Mississippi. Soil Conservation Service & Mississippi Agricultural Experiment Station, Washington, DC.

Murphree, L. C., and K. H. Miller. 1976. Soil survey of Clay County, Mississippi. Soil Conservation Service & Mississippi Agricultural Experiment Station, Washington, DC.

Murphree, L. C., K. H. Miller, and M. C. Garber. 1979. Soil survey of Itawamba County, Mississippi. Soil Conservation Service & Mississippi Agricultural Experiment Station, Washington, DC.

Natchez Trace Parkway. 1959. Checklist of sheets of identified plants in the Natchez Trace Parkway Herbarium as of 11-16-59. Natchez Trace Parkway, Tupelo, MS.

Natchez Trace Parkway. 1997a. 1994 Wetland resource identification and delineation survey, section 3X - southern terminus environmental impact statement, Adams County, Mississippi [DRAFT]. Natchez Trace Parkway, Tupelo, MS. Resource Management Special Report No. 97-3.

Natchez Trace Parkway. 1997b. Supplemental wetland resource identification and delineation survey project 3D26, Palmetto road grade separation project, Lee County, Mississippi. Natchez Trace Parkway, Tupelo, MS. Resource Management Special Report No. 97-5.

Natchez Trace Parkway. 1997c. Threatened and endangered species habitat survey, project 3D26, Palmetto Road Grade Separation project, Lee County, Mississippi. Natchez Trace Parkway, Tupelo, MS. Resource Management Special Report No. 97-2.

Natchez Trace Parkway. 1997d. Wetland resource identification and delineation supplemental descriptions of selected wetlands section 3X - southern terminus environmental impact statement, Adams County, Mississippi. Natchez Trace Parkway, Tupelo, MS. Resource Management Special Report No. 97-3.

Natchez Trace Parkway. n.d.-a. Checklist of birds of Natchez Trace Parkway. Natchez Trace Parkway, Tupelo, MS.

Natchez Trace Parkway. n.d.-b. Checklist of mammals of Natchez Trace Parkway. Natchez Trace Parkway, Tupelo, MS.

Natchez Trace Parkway. n.d.-c. Checklist of reptiles and amphibians of Natchez Trace Parkway. Natchez Trace Parkway, Tupelo, MS.

Natchez Trace Parkway. n.d.-d. Untitled: Oil, Gas and Mineral rights. Natchez Trace Parkway, Tupelo, MS.

National Audubon Society. 2004. Christmas Bird Count, historical results. National Audubon Society. http://www.audubon.org/bird/cbc/hr/index.html (Accessed March 2004).

National Park Service. 1955. Clearing & reforestation/section 3w. National Park Service, Tupelo, MS.

National Park Service. 1957. River bend erosion control/section 3-n. National Park Service, Tupelo, MS.

National Park Service. 1983. Developmental concept plan, environmental assessment; Natchez Trace National Parkway Alabama, Colbert Ferry/Lauderdale. National Park Service, Denver, CO.
National Park Service. 1987. Natchez Trace Parkway, Alabama-Mississippi-Tennessee: General management plan. National Park Service, Denver, CO. No. NPS D-412A.
National Park Service. 1992. Revegetation plan for channel realignment/project 1a6. National Park Service, Tupelo, MS.
National Park Service. 1997. Resource Management Plan, Natchez Trace Parkway, Brices Cross Roads National Battlefield Site, Tupelo National Battlefield. National Park Service, Tupelo, MS.
National Park Service. 1998. Cypress Creek, Cypress Creek Relief, and Cooper Branch Bridge replacement environmental assessment; Natchez Trace Parkway Tennessee. National Park Service, Denver, CO.
Nebeker, T. E. 1994. Utilization of ice damaged conifers along the Natchez Trace Parkway in northeast Mississippi by Ips spp. Department of Entomology and Plant Pathology, Mississippi State University, Mississippi State, MS.
Neitzel, R. S. 1981. A suggested technique for measuring landscape changes through archaeology.57-70.
Newcome, R. J., and J. M. Bettandorf. 1973. Water for industrial development in Calhoun, Chickasaw, Choctaw, Grenada, Montgomery, Webster, and Yalobusha counties, Mississippi. Mississippi Research and Development Center, Jackson, MS.
Norse, W. C., and C. S. Brown. 1936. Tishomingo State Park. Mississippi State Geological Survey Bulletin 32
North, O. 1981. Soil survey of Davidson County, Tennessee. USDA Soil Conservation Service, Washington, DC.
Oakley, W. T. 1984. The ground-water resources in the Ross Barnett Reservoir area, Mississippi. U.S. Geological Survey, Reston, VA. Water Resources Investigations No. 84-4160.
Obradovich, J. D., D. T. I. Dockery, and C. C. I. Swisher. 1993. 40Ar-39Ar ages of bentonite beds in the upper part of the Yazoo Formation (upper Eocene) west-central Mississippi. Mississippi Geology **14**.
O'Donnell, T. T. 1974. Depositional systems in the lower Claiborne (Eocene) of central Mississippi. University of Mississippi, Oxford, MS.
Oglesby, T. W. 1976. A model for the distribution of manganese, iron, and magnesium in authigenic calcite and dolomite cements in the upper Smackover Formation in eastern Mississippi. University of Missouri, Columbia, Columbia, MO.
O'Hear, J. W., J. R. Atkinson, J. D. Elliott, E. A. Boudreaux, and J. R. Underwood. 2000. Choctaw Agency Natchez Trace Parkway; Archaeological and historical investigation Madison County, Mississippi. Southeast Archeological Center, National Park Service, Tallahassee, FL.
Olaniyan, O. 1982. Sedimentation of the archaeological site 22TS784; a sandstone rockshelter in the Bay Springs segment of the Tennessee-Tombigbee Waterway, Tishomingo County, Mississippi. Dissertation. University of Pittsburgh, Pittsburgh, PA.
Outlaw, G. S. 1993. Hydrologic and hydraulic analyses at Akin Branch and Cayce Valley Branch, Columbia, Tennessee. U.S. Geological Survey, Denver, CO. Open file report No. 92-0648.

Outlaw, G. S., A. B. Hoos, and J. T. Pankey. 1994. Rainfall, streamflow, and water-quality data for five small watersheds, Nashville, Tennessee, 1990-92. U.S. Geological Survey, Reston, VA. Open file report No. 94-0068.

Overton, J. R., I. B. Epley, J. A. Blanton, D. D. Walker, R. Wildermuth, and M. J. Edwards. 1959. Soil survey of Lawrence County, Tennessee. USDA Soil Conservation Service with Tennessee Agricultural Experiment Station and Tennessee Valley Authority, Washington, DC.

Parmalee, P. W., and W. E. Klippel. 1981. Remains of the wood turtle Clemmys insculpta (Le Conte) from a late Pleistocene deposit in Middle Tennessee. American Midland Naturalist **105**:413-416.

Paxton, C. J., D. A. Etnier, J. T. Baxter, and M. H. Doosey. 2000. Fishes of the Tennessee portion of the Natchez Trace Parkway. Department of Ecology and Evolutionary Biology, University of Tennessee, Knoxville, TN.

Perhac, R. M. 1971. Petrography of a basement granite from central Tennessee. Journal of the Tennessee Academy of Science **46**:105-106.

Price, L. C., J. L. Clayton, and L. L. Rumen. 1979a. Organic geochemistry of a 69-kilometer-deep well, Hinds County, Mississippi. Gulf Coast Association of Geological Societies **29**:352-370.

Price, L. C., J. L. Clayton, and L. L. Rumen. 1979b. Organic geochemistry of deep well in Hinds County, Mississippi. Gulf Coast Association of Geological Societies and Gulf Coast Section SEPM, 29th annual meeting. San Antonio, TX:1610.

Pullen, T. M., F. Searcy, and C. M. Cooper. 1976. Isoetes engelmanii A Braun in Mississippi, Castaneae. Castaneae **41**:270.

Quinones, M. F., A. D. Bradfield, and J. B. Wescott. 1992. Hydrogeologic, water-quality, streamflow, bottom-sediment analyses, and biological data near the Wayne County landfill, Wayne County, Tennessee. U S Geological Survey, Denver, CO. Open file report No. 92-0045.

Randolph, W. J., and C. R. Gamble. 1979. Sugartree Creek floodflow characteristics 05 mile upstream from Estes Road, Davidson County, Tennessee. U.S. Geological Survey, Reston, VA. Open file report No. 79-0342.

Reynolds, C. J. 2001. Avian community ecology and forest management practices in pine-hardwood ecosystems of north-central Mississippi. Thesis. Mississippi State University, Starkeville, MS.

Rhinehart, K. F. 1989. The Citronelle Formation in Adams County, Mississippi. Conference: Fifty-third annual meeting of the Mississippi Academy of Sciences. Jackson, MS:60.

Riggs, K. A. 1979a. Economic deposits of Tombigbee and Holly Springs national forests, Mississippi. Journal of the Mississippi Academy of Sciences:40.

Riggs, K. A. 1979b. Lignites of Tombigbee and Holly Springs national forests, Mississippi. AAPG-SEPM annual meeting. Houston, TX:516.

Rima, D. R., and D. S. Mull. 1980. Ground-water resources in the Cumberland River basin, Kentucky-Tennessee. U.S. Geological Survey, Reston, VA. Open file report No. 80-0202.

Ritchie, J. C., and P. H. Hawks. 1979. Natural gamma radioactivity in North Mississippi soils. Journal of the Mississippi Academy of Sciences **24**:92-103.

Robards, M. H., R. G. Cox, W. D. Daniels, and R. W. Wimbish. 1997. Soil survey of Prentiss County, Mississippi. National Cooperative Soil Survey

Robinson, J. E. 1983. New and interesting Eocene molluscan species from the Moodys Branch Formation. Mississippi Geology (Boulder) **3**.
Robinson, J. E., and D. T. I. Dockery. 1981. New occurrences of molluscan species in the Moodys Branch Formation at Jackson, Mississippi. Mississippi Geology **1**:13-15.
Ross, K. G., and J. L. Robertson. 1990. Developmental stability, heterozygosity, and fitness in two introduced fire ants (Solenopsis invicta and S richteri) and their hybrid. Heredity **64**:93-103.
Ross, S. T. 1994. Natchez Trace Fish Inventory. Natchez Trace Parkway, Tupelo, MS.
Ross, S. T., M. T. O'Connell, and T. J. Raunch. 1996. Final Report, Natchez Trace Parkway southern terminus aquatic wildlife baseline survey - fish species. Department of Biological Sciences, University of Southern Mississippi, Hattiesburg, MS.
Rosso, S. W., and D. R. Reed. 1997. Natchez Trace Parkway Southern Terminus Terrestrial Plant Baseline Survey Selected Species. Natchez Trace Parkway, Tupelo, MS.
Ruppel, S. C. 1979. Conodonts from the Lower Mississippian Fort Payne and Tuscumbia formations of northern Alabama. Journal of Paleontology **53**:55-70.
Scott, F. T. 1984. Soil survey of Madison County, Mississippi. USDA Soil Conservation Service, Washington, DC.
Searcy, F. T. 1977a. Ferns and wildflowers of Tishomingo State Park. Mississippi State Park Commission, Jackson, MS.
Searcy, F. T. 1977b. A floristic study of Tishomingo State Park. University of Mississippi, Oxford, MS.
Searcy, F. T., and T. M. Pullen. 1976. A preliminary report on a floristic study of Tishomingo State Park [Abstract only]. Journal of the Mississippi Academy of Sciences **21**:14.
Setzer, H. W., J. L. Cotter, and J. M. Corbett. 1951. Animal bones. Archeology of the Bynum Mounds Mississippi: Archeological Research Series Number One. National Park Service, Washington, D.C.
Sevastopulo, G. D., and N. G. Lane. 1981. Silurian microcrinoids from western Tennessee. Journal of Paleontology **55**:1171-1175.
Sherard, H. 1977. Soil survey of Lauderdale County, Alabama. USDA, Soil Conservation Service, Washington, D.C.
Skordinski, K. R. 1998. Ecological association between the red-cockaded woodpecker and southern pine beetle in the Homochitto National Forest: A geographic information system approach. Thesis. University of North Texas, Denton, TX.
Smalley, G. W. 1983. Classification and evaluation of forest sites on the Eastern Highland Rim and Pennyroyal. U.S. Forest Service, New Orleans, LA.
Smith, G. P. 1982. The Rock Creek archaeological project: Natchez Trace Parkway, Colbert County, Alabama. Memphis State University Anthropological Research Center, Memphis, TN. Memphis State University Anthropological Research Center occasional papers No. 11.
Smithe, C. C., and C. W. J. Copeland. n.d. Upper Cretaceous geology of the Tombigbee River, Alabama and Mississippi. Geological Survey Professional Paper **1175**:230.
Spain, D. R., and W. G. Siesser. 1986. Petrology and paleoecology of the Pachuta Marl (Eocene) of Mississippi and Alabama. Southeastern Geology **26**:251-263.
Spencer, J. R. 1989. Preliminary steady-state simulation of ground-water flow in Hinds, Madison, and Rankin counties, central Mississippi. Conference: Nineteenth Mississippi water resources conference. Jackson, MS.

Stevens, M. P. 1991. The botanical literature of Mississippi: a taxonomic, geographic, and subject guide 1854 through 1984. Mississippi Department of Wildlife, Fisheries and Parks, Jackson, MS. Museum Technical Report No. Museum Technical Report No 12.
Strimple, H. L. 1976. Two new species of Agassizocrinus from northern Alabama. Southeast Geology **18**:29-35.
Sydboten, B. D. J., and R. L. Bowen. 1987. Depositional environments and sedimentary tectonics of the subsurface Cotton Valley Group (Upper Jurassic), west-central Mississippi. 37th annual meeting of the Gulf Coast Association of Geological Societies, AAPG regional meeting and the 34th annual meeting of the Gulf Coast Section of the Society of Economic Paleontologists and Mineralogists. San Antonio, TX:239-245.
Szabo, M. W. 1982. Paleo-collapse features in Northwest Alabama. Conference: 16th annual meeting, North-Central Section of the Geological Society of America; with North-Central Section of the Paleontologic Society, East-Central Section of the National Association of Geology Teachers, and the Pander Society. West Lafayette, IN:293.
Szabo, M. W. 1992. Subsidence structures in Northwest Alabama and Northeast Mississippi. Circular Geological Survey of Alabama.
Szabo, M. W. 1993. Subsidence features in Colbert County, Alabama. Alabama Geological Society, University, AL.
Tabor, R. L. 1976. Shifts in the use of selected soil mapping units as the result of agricultural utilization. The Journal of the Tennessee Academy of Science **51**:34-38.
Tabor, R. L., and F. F. Bell. 1969. Determining the agronomic potential of the Huntington, Lindside, Armour, Egam soil association of Maury County, Tennessee. The Journal of the Tennessee Academy of Science **44**:49.
Tarbutton, R. J. 1980. Coal resources of the Pennsylvanian Pottsville Formation in northeastern Mississippi. Mississippi Geology (Boulder) **1**.
Tchounwou, P. B., and M. Warren. n.d. Physicochemical and bacteriological assessment of water quality at the Ross Barnett Reservoir in Central Mississippi, U.S.A.
Tennessee Department of Environment and Conservation. 2004. Tennessee Air Quality Forecasting Program. Tennessee Department of Environment and Conservation. http://www.state.tn.us/environment/apc/ozone/ (Accessed June).
Terry, I. J. 1957. The stratigraphic position of an Upper Cretaceous sand in Clay and Chickasaw counties. Thesis. Mississippi State College, Mississippi State, MS.
The Nature Conservancy. 1996a. Final report for a general biological survey of the Natchez Trace Parkway. The Nature Conservancy
The Nature Conservancy. 1996b. A general biological survey of the Natchez Trace Parkway [FINAL REPORT]. The Nature Conservancy
Thomas, W. A., and G. H. Mack. 1980. Mississippian Hartselle barrier island and shelf bar complex, Alabama. Geological Society of America **12**:210.
Thomas, W. A., G. H. Mack, and J. A. Waters. 1980. Depositional setting of the Mississippian Hartselle Sandstone and lower Bangor Limestone in Northwest Alabama. Geological Society of America, Southeast Section, Nashville, TN.
Thomas, W. B. 1960. Palynology of the Ripley lignitic clays, Clay County, Mississippi. Thesis. Mississippi State University, Mississippi State, MS.
Thompson, C. N., and W. R. Reynolds. 1978. Evidence for a depositional origin of bauxite in Northeast Mississippi. Geological Society of America **10**:200.

Thomson, F. H. 1968. Memorandum on the ground-water resources of Rocky Springs Park, Claiborne County, Mississippi. U.S. Geological Survey, Reston, VA.
Thomson, F. H. 1969a. Memorandum on the ground-water resources at Emerald Mound, Natchez Trace Parkway, Mississippi. U.S. Geological Survey Water Resources Division, Jackson, MS.
Thomson, F. H. 1969b. Memorandum on the ground-water resources at Tishomingo Park, Natchez Trace Parkway, Mississippi. U.S. Geological Survey Water Resources Division, Jackson, MS.
Thomson, F. H. 1969c. Memorandum on the ground-water resources of Pharr Mounds Historic Site, Natchez Trace Parkway. U.S. Geological Survey Water Resources Division, Jackson, MS.
Timme, S. L., and C. C. K. Timme. 2000. Wildflowers of the Natchez Trace. University Press of Mississippi, Jackson, MS.
Tomaszewski, D. J. 1981. Hydrologic monitoring in the area of the Tennessee-Tombigbee Waterway, Mississippi-Alabama. U.S. Geological Survey, Reston, VA. Open file report No. 81-0546.
Tomaszewski, D. J. 1982. Hydrologic monitoring in the area of the Tennessee-Tombigbee Waterway, Mississippi-Alabama, fiscal year 1981. U.S. Geological Survey, Reston, VA. Open file report No. 82-0503.
Toops, P. L. 1989. An age structure inventory on five pineland areas on Natchez Trace Parkway. Slippery Rock University, Slippery Rock, PA.
True, J. C., J. F. Campbell, E. P. Davis, O. G. Sprouse, J. R. Brasfield, and I. D. Howell. 1964. Soil survey of Williamson County, Tennessee. USDA, Soil Conservation Service, Washington, DC.
Tucker, J. K. 1994. The genus Conorbis with the description of a new species from the Eocene of Mississippi. Mississippi Geology **15**:43-55.
Turnipseed, D. P., and K. V. J. Wilson. 1989. Channel and bank stability of Sand Branch tributary at State Highway 342 near Pontotoc, Pontotoc County, Mississippi. U.S. Geological Survey, Denver, CO. No. 89-0241.
Turnipseed, D. P., and K. V. J. Wilson. 1990. Channel and bank stability of Twentymile Creek at US Highway 45 near Wheeler, Prentiss County, Mississippi. U.S. Geological Survey, Denver, CO. No. 90-0111.
Turnipseed, D. P., and K. V. J. Wilson. 1992. Channel and bank stability of Standing Pine Creek at State Highway 488 near Freeny, Leake County, Mississippi. U.S. Geological Survey, Denver, CO. No. 92-0112.
U.S. Army Corps of Engineers. 1995. Twentymile Creek habitat restoration, Mississippi: Section 1135 Project modification report and environmental assessment. U.S. Army Corps of Engineers, Moblie, AL.
U.S. Forest Service. 1949. Timber management plan, 7/1/48 to 6/30/56, Homochitto Working Circle, Homochitto National Forest, Mississippi, Region 8. U.S. Forest Service Region 8, Atlanta, GA.
U.S. Forest Service. 1978. Timber management plan, Holly Springs and Tombigbee National Forests final environmental statement. U.S. Forest Service Southern Region, Atlanta, GA. No. 78-0145D.
U.S. Forest Service. 1995. Land and resource management plan: national forests in Mississippi. U.S. Forest Service Southern Region, Atlanta, GA.

U.S. Geological Survey. 1972a. Water resources data for Alabama, water year 1971. U.S. Geological Survey, Reston, VA. Water Resources Data Report No. PB-287 809.
U.S. Geological Survey. 1972b. Water resources data for Alabama, water year 1971; Part 2, Water quality records. U.S. Geological Survey, Reston, VA. Water Resources Data Report No. PB-287 810.
U.S. Geological Survey. 1972c. Water resources data for Mississippi, water year 1971. U.S. Geological Survey, Reston, VA. Water Resources Data Report No. PB-289 560.
U.S. Geological Survey. 1973a. Water resources data for Alabama, water year 1972; Part 1, Surface water records. U.S. Geological Survey, Reston, VA. Water Resources Data Report No. PB-287 418.
U.S. Geological Survey. 1973b. Water resources data for Mississippi, water year 1972. U.S. Geological Survey, Reston, VA. Water Resources Data Report No. PB-289 561.
U.S. Geological Survey. 1974a. Water resources data for Alabama, water year 1973; Part 1, Surface water records. U.S. Geological Survey, Reston, VA. Water Resources Data Report No. PB-287 419.
U.S. Geological Survey. 1974b. Water resources data for Alabama, water years 1972-73; Part 2, Water quality records. U.S. Geological Survey, Reston, VA. Water Resources Data Report No. PB-287 420.
U.S. Geological Survey. 1974c. Water resources data for Mississippi, water year 1973. U.S. Geological Survey, Reston, VA. Water Resources Data Report No. PB-289 562.
U.S. Geological Survey. 1975a. Water resources data for Alabama, water year 1974; Part 1, Surface water records. U.S. Geological Survey, Reston, VA. Water Resources Data Report No. PB-287 421.
U.S. Geological Survey. 1975b. Water resources data for Alabama, water year 1974; Part 2, Water quality records. U.S. Geological Survey, Reston, VA. Water Resources Data Report No. PB-287 422.
U.S. Geological Survey. 1975c. Water resources data for Mississippi, water year 1974. U.S. Geological Survey, Reston, VA. Water Resources Data Report No. PB-289 563.
U.S. Geological Survey. 1978. Water resources data for Mississippi, water year 1977. U.S. Geological Survey, Reston, VA. Water Resources Data Report No. PB-287 018.
U.S. Geological Survey. 1979a. Water resources data for Alabama, water year 1978. U.S. Geological Survey, Reston, VA. Water Resources Data Report No. PB-80 116 668.
U.S. Geological Survey. 1979b. Water resources data for Mississippi, water year 1978. U.S. Geological Survey, Reston, VA. Water Resources Data Report No. PB-80 183 973.
U.S. Geological Survey. 1980. Geologic highlights; Colbert County. **3**.
U.S. Geological Survey. 1983. Water resources data. Tennessee. U.S. Geological Survey, Nashville, TN.
U.S. Geological Survey. 1984. Water resources data. Tennessee. U.S. Geological Survey, Nashville, TN.
U.S. Geological Survey. 1986. Water resources data. Tennessee. U.S. Geological Survey, Nashville, TN.
U.S. Geological Survey. 1987. Water resources data. Tennessee. U.S. Geological Survey, Nashville, TN.
USGS. 2004a. North American Breeding Bird Survey. USGS Patuxent Wildlife Research Center and Canadian Wildlife Service's National Wildlife Research Centre. http://www.pwrc.usgs.gov/bbs/ (Accessed January 2004).

USGS. 2004b. Water Resources of the United States. USGS. http://water.usgs.gov/ (Accessed April 2004).
Waggoner, B. M. 1994. Fossil microorganisms from Upper Cretaceous amber of Mississippi. Review of Palaeobotany and Palynology **80**:75-84.
Walkinshaw, C. H., and J. P. Barnett. 1995. Tolerance of loblolly pines to fusiform rust. Southern Journal of Applied Forestry **19**:60-64.
Ware Lind Engineers. 1976. Preliminary geotechnical investigation, Natchez State Park Dam, Adams County, Mississippi: report to State Building Commission, Jackson, Mississippi. Ware Lind Engineers Inc., Jackson, MS.
Wasson, B. E. 1976. Ground water data for Attala County, Mississippi. Mississippi Board Water Commission Bulletin No. 7.
Wasson, B. E. n.d. Large water-level declines in Eutaw-McShan aquifer. Geological Survey Professional Paper **1175**:132.
Wasson, B. E., H. G. Golden, and M. W. Gaydos. 1965. Available water for industry in Clay, Lowndes, Monroe, and Oktibbeha counties, Mississippi. Mississippi Resource and Developement Center, Jackson, MS.
Waters, J. A. 1980. Paleontology and paleoecology of the lower Bangor Limestone (Chesterian, Mississippian) from northwestern Alabama. Geological Society of America **12**:211.
Waters, L. A. 1980. Growth and form of three species of Pentremites (Echinodermata; Blastoidea). Compass of Sigma Gamma Epsilon **57**:112-119.
Watts, G., and C. B. Gregor. 1978. Paleomagnetism of Upper Ordovician sediments, southeastern USA (preliminary results). Eos (American Geophysical Union, Transactions) **59**:225.
Welton, M. 1998. Cerulean Warbler breeding locations in the Interior Low Plateaus of Tennessee. Natchez Trace Parkway, Tupelo, MS.
Whitworth, B. 1999. Checklist of Mammals of the Natchez Trace Parkway, A potential list of species based on known or historic distributions. Natchez Trace Parkway, Tupelo, MS.
Wieland, R. G. 1994. Preliminary vegetation survey and analysis of Chickasaw Village Site, Natchez Trace Parkway, Tupelo, Mississippi. Mississippi Department of Wildlife, Fisheries and Parks, Tupelo, MS. Museum Technical Report No. 26.
Wiethe, J. D. 1977. Jointing in the Fort Payne and Chattanooga formations along the northwestern Highland Rim escarpment, Tennessee. Journal of the Tennessee Academy of Science **52**:81-85.
Wilhelms, S. C. 1976. Bay Springs Lake: water-quality study: hydraulic laboratory investigation. U.S. Department of Defense, U.S. Army Corps of Engineers Waterways Experiment Station Hydraulics Laboratory, Vicksburg, MS. Technical report No. H-76-7.
Williams, D. M. 1980. Geology and paleoenvironment of the Zilpha Formation in North central Mississippi. Thesis. Memphis State University, Memphis, TN.
Wilson, D. J. 1971. Water and air pollution; a tale of two cities. Journal of the Tennessee Academy of Science **46**:46.
Wilson, K. V. 1972. Hurricane Camille; effect on stages in Ross Barnett Reservoir, Mississippi. U.S. Geological Survey, Reston, VA.
Wilson, K. V. 1979. Changes in channel characteristics, 1938-74, of the Homochitto River and its tributaries, Mississippi. U.S. Geological Survey, Reston, VA. Open file report No. 79-0554.

Wilson, K. V. n.d. Major flood on Pearl River at Jackson. Geological Survey Professional Paper **1175**:132.
Womochel, D. R., and W. S. Barnett. 1980a. A new Pleistocene vertebrate fossil fauna from Alabama. Geological Society of America **12**:213.
Womochel, D. R., and W. S. Barnett. 1980b. The Pleistocene vertebrate assemblage of Little Bear Cave, Colbert County, Alabama. Geological Society of America, Southeast Section, Nashville, TN.
Wright, G. R., B. Crist, T. L. Riddle, and J. X. Corgan. 1982. Pleistocene footprints from Centerville Cave, Hickman County, Tennessee. Conference: 91st annual meeting of the Tennessee Academy of Science. Clarksville, TN:44.
Zurawski, A. 1978. Summary appraisals of the Nation's ground-water resources; Tennessee region. Geological Survey Professional Paper.
Zurawski, A., and C. R. Burchett. 1980. Ground water in the carbonate rocks of the Franklin area, Tennessee. U.S. Geological Survey, Reston, VA. Open file report No. 80-0410.

Appendix A. Federal and State Listed Species that have been documented in or are possible inhabitants of NATR. List of species was adapted from multiple park reports and the NPSpecies database (citations).

Species	Scientific name	Status[a] Federal	TN	MS	AL
Plants					
Price's potato-bean	*Apios priceana*	T	E	CI	I
Georgia rockcress	*Arabis georgiana*	x	x	x	CI
Braun's rockcress	*Arabis perstellata*	E	E	x	x
water stitchwort	*Arenaria fontinalis*	x	T	x	x
Tennessee milk-vetch	*Astragalus tennesseensis*	x	SOC	x	x
prairie-clover	*Dalea foliosa*	E	E	x	x
Tennesse purple conflower	*Echinacea tennesseensis*	E	E	x	x
Eggert's sunflower	*Helianthus eggertii*	x	T	x	x
goldenseal	*Hydrastis canadensis*	x	SOC	x	x
Tennessee glade cress	*Leavenworthia exigua var. exigua*	x	SOC	x	x
Pasture glade cress	*Leavenworthia exigua var. lutea*	x	E, PX	x	x
short's bladderpod	*Lesquerella globosa*	x	E	x	x
lyrate bladderpod	*Lesquerella lyrata*	T	x	x	CI
Indian plantain	*Rugelia nudicaulis*	x	E	x	x
limestone flameflower	*Talimun calcaricum*	x	SOC	x	x
creeping clover	*Trifolium stoloniferum*	E	x	x	x
Tennessee yellow-eyed grass	*Xyris tennesseensis*	E	E	x	x
Mammals					
gray bat	*Myotis grinsescens*	E	x	E	SP
Indiana bat	*Myotis sodalis*	E	E	E	SP
American black bear	*Ursus americanus*	S/A-T	x	CI	x
Louisiana black bear	*Ursus americanus luteolus*	T	x	CI	x
Reptiles					
American alligator	*Alligator mississippiensis*	S/A-T	x	x	x
ringed sawback turtle	*Graptemys oculifera*	T	x	E	x
Amphibians					
Hellbender	*Cryptobranchus alleganiensis*	x	D	x	SP
cave salamender	*Eurycea lucifuga*	x	x	E	x
northern spring salamander	*Gyrinophilus porphyriticus*	x	x	E	x
Birds					
Bachman's Sparrow	*Aimophila aestivalis*	x	E	x	x
Bald Eagle	*Haliaeetus leucocephalus*	T	D	E	SP
Red-cockaded Woodpecker	*Picoides borealis*	E	x	E	SP
Appalachian Bewick's Wren	*Thryomanes bewickii altus*	x	E	E	SP
Fish					
crystal darter	*Crystallaria asprella*	x	D	E	SP
spotfin chub	*Cyprinella monacha*	T	T	x	SP
slackwater darter	*Etheostoma boschungi*	T	T	x	SP
crown darter	*Etheostoma corona*	x	E	x	x
bayou darter	*Etheostoma rubrum*	T	x	E	x
flame chub	*Hemitremia flammea*	x	D	x	x
Invertebrates					
birdwing pearly mussel	*Conradilla caelata*	E	x	x	x
yellow-blossom pearly mussel	*Epioblasma florentina florentina*	E	x	x	SP
turgid-blossom pearly mussel	*Epioblasma turgidula*	E	x	x	SP
tan riffle shell	*Epioblasma walkeri*	E	E	x	x
orange-footed pearly mussel	*Plethobasus cooperianus*	E	E	x	SP
Cumberland monkeyface pearly mussel	*Quadrula intermedia*	E	E	x	SP
pale lilliput pearly mussel	*Toxolasma cylindrellus*	E	E	x	SP

[a] E, Endangered; T, Threatened; SOC, Species of concern; SP, State protected; D, Deemed in need of management; S/A-T, Similarity in appearance to a Threatened Species; CI, Critically imperiled; I, Imperiled; PX, Possibly extirpated

Appendix B. Management issues and concerns that face NATR and how these issues may affect the park's resources

Management Issues	Priority	Significant Natural Resources Impacted	Monitoring Questions
Adjacent Landuse	HIGH	Cultural Landscape; Biological Diversity; Forest Health; Scenic view shed; Natural Communities; Endangered Species	What is the impact of adjacent landuse on Park wildlife, view shed, water and air quality?
Adjacent Landuse	HIGH	Cultural Landscape; Biological Diversity; Forest Health; Scenic view shed; Natural Communities; Endangered Species	What is the impact of adjacent landuse on Park wildlife, view shed, water and air quality?
Air Quality (Compliance with Clean Air Act)	HIGH	All encompassing (all items on Sign NR impacted listing + others).	Are air-born pollutants at NATR within acceptable limits? Is it stable or is there a trend in air quality?
Climate Change	HIGH	Cultural and Natural Landscape	What are the impacts of climate change on Park resources? Are climate impacts, if any, consistent throughout the length of the Park? Will the (expected) climate changes favor the establishment of exotic species?
Data Gaps	HIGH	Natural Communities; Biological Diversity; T&E Species; Vegetation; Wildlife	Are Park (natural) communities' representative of similar, undeveloped habitats off Park lands? How many species occur on the Park and where are they found? Has the Park documented at least 90% of the species thought to occur in the Park?
Erosion	HIGH	Cultural and natural Landscape	Are erosion rates for Park natural and developed areas within acceptable limits? Do Park maintenance practices promote excessive levels of erosion? Are best mgmt practices adequately minimizing sediment transport into streams from Park construction projects?
Exotics (Animals)	HIGH	Biological Diversity, scenic view shed; Endangered Species	How many species are within the park and where are they? At what rates are the populations growing? What are the impacts of exotic animal species on biological diversity & Endangered species?
Exotics (Plants)	HIGH	Biological Diversity, scenic view shed; Endangered Species	How many species are within the park and where are they? At what rates are the populations growing? What are the impacts of exotic plant species on biological diversity & Endangered species?
Fire Management	HIGH	Cultural Landscape; Biological Diversity; Forest Health; Scenic view shed; Natural Communities; Endangered Species	Are prescribed fires having the desired effects? What are the impacts of fire on Park habitats, endangered species, and wildlife? What is the optimum fire frequency? How are exotic plant species responding to prescribed fires?
Fishing (Rec & Comm)	HIGH	Fish	Are the Park fisheries being adversely impacted from current levels of public fishing?
Floodplain protection	HIGH	Cultural Landscape; Floodplains	Are Park activities impacting floodplain integrity? Are flood frequencies & intensities within historic limits? Are Park floodplains similar to non-Park floodplains vegetation wise?

Appendix B. Continued.

Management Issues	Priority	Significant Natural Resources Impacted	Monitoring Questions
Forest pests/Diseases	HIGH	Biological Diversity; Forest Health; Scenic view shed; Endangered Species	Are park woodlands in good health? Are forest pest populations within acceptable limits?
Migratory Birds	HIGH	Migratory Birds; Biological Diversity	Are Park populations stable, increasing, or decreasing? Is this change due to habitat degradation/improvement or off-park influences? Are any Park activities adversely impacting migratory birds?
Native Pests	HIGH	Natural Landscape; Ecosystem Composition	Is Park pest populations relatively stable? Are Park activities promoting pest population increases?
Native Vegetation Restoration	HIGH	Biological Diversity; Forest Health; Scenic view shed; Endangered Species; Erosion	Are native species colonizing the site as expected? Are exotic species present and what is their impact on native species recovery? Is species composition representative of similar but undisturbed sites?
Non-NPS/ Inholding Issues	HIGH	Cultural Landscape	Are Park activities impacting non-NPS lands? Are non-Park activities impacting NPS lands?
Outside Development	HIGH	Cultural Landscape; Biological Diversity; Forest Health; Scenic view shed; Natural Communities; Endangered Species	How much of the scenic view is being impacted by development annually? What is the impact of development on Park wildlife, vegetation, and water/air quantity and quality?
Poaching	HIGH	Wildlife and Fish	Is park wildlife being adversely impacted from poaching?
Right-of-ways/Easements	HIGH	Cultural landscape, wetlands; Water Quality and Quantity; Air quality	Are park geologic and aesthetic resources being impacted?
T&E Species	HIGH	Endangered and Threatened Species; Critical Habitat; Biological Diversity	Are Park T&E populations stable, increasing, or decreasing? Are Park activities adversely impacting T&E populations? What percentage of the suitable habitat is being utilized?
Viewscape	HIGH	Cultural Landscape	What percentage of the area within the view of the visitor is being lost to development annually? What elements of the natural view do the visitor prize, and what elements are deemed less important?
Visitor Overuse	HIGH	Cultural Landscape; soil (erosion); Exotic Plants;	What are the impacts of visitors on Park natural resources? What are the current and projected use levels? What visitor use level is likely to result in impairment to Park resources?
Water Quality (Ground)	HIGH	Natural Springs and Seeps; Vegetation	Are Park wells producing clean, potable water? Is park development impacting underground water quality?
Water Quality (Surface) (Compliance with Clean Water Act)	HIGH	Wetlands; Fisheries; Endangered Species; Biological Diversity; Vegetation; water quality	Are park waters in compliance with the Clean Water Act? Is water quality adversely impacting T&E species or aquatic diversity in general? Is park development impacting surface water quality?
Water Quantity (Groundwater)	HIGH	Natural Springs and Seeps; vegetation	Are Park wells producing sufficient quantities of clean, potable water? Is park development impacting underground water flow?

Appendix B. Continued.

Management Issues	Priority	Significant Natural Resources Impacted	Monitoring Questions
Water Quantity (Surface Water)	HIGH	Wetlands; Fisheries; Endangered Species; Biological Diversity; vegetation	Are Park waters relatively stable in terms of quantity? Is park development impacting overland water flow?
Wetlands	HIGH	No information	Are Park wetlands functional or in need of restoration? Do any Park wetlands contain high levels of contaminants? Do Park wetlands support appropriate levels of species diversity?
With/In Park Development	HIGH	Cultural Landscape	Are Park activities impacting natural resources? Are Park activities impacting non-NPS lands?
Genetic Contamination	MED	Natural Landscape; Genetic Frequencies	What are the impacts of ornamental and genetically engineered species on native plant populations within the Park?
Mining	MED	Cultural landscape, wetlands; Water Quality and Quantity; Air quality	Is adjacent mining activity adversely impacting park resources?
Native Species Overpopulation	MED	Biological Diversity; Animal Population Health; Vegetation; Cultural Landscape	Do Park activities promote overabundance of certain species? Are deer-vehicle accidents within expected limits? Is there a sustained increase in wildlife Populations?
Native Wildlife Reintroductions	MED	Biological Diversity; Wildlife Populations	What is the effect of this species (its presence/absence) on ecosystem structure/stability?
Night Sky	MED	Cultural Landscape	What is the quality of the night sky within the Park? Is there a trend evident?
Slope Failure	MED	Soil; Cultural Landscape	Are Park activities promoting poor slope stability? How many slopes fail annually? Are slope failure rates within acceptable limits?
Soundscape	MED	Cultural Landscape	Are sound levels within the Park within acceptable guidelines?
Subsidence	MED	Geologic Resources; Cultural Landscape	Are there areas of natural subsidence on the Park? Are Park activities contributing to the rate or intensity of subsidence?
Hunting & Trapping	LOW	Wildlife (deer-turkey)	Is park wildlife being adversely impacted from hunting/trapping on adjacent lands?
Oil/Gas	LOW	Cultural landscape, wetlands; Water Quality and Quantity; Air quality	Is the adjacent natural gas operation adversely impacting park resources?

GIS DATA, DATASETS

A list of available spatial and non-spatial data is provided for the park. Data have been organized into the following groups: GIS data, NatureBib maps, and abbreviations. GIS data have been further separated into three categories: park specific or local, statewide, and nation-wide. A unique identifier has been given to each line of data as follows: "X_#", where "X" is a letter describing the data type (L=local GIS, S=Statewide GIS, N=Nation-wide GIS, and D=database) and "#" is a unique number. Basic information is provided to allow quick review of the publicly available data, including the title of the data and the organization from which the data are available. To view more extensive details about the data, an EXCEL workbook ("Digital Data") has been provided. The EXCEL workbook includes several datasheets for each of the aforementioned data categories. Among some of the additional details provided in the EXCEL workbook are partial metadata, web addresses, and descriptions of the data. Blank fields within the EXCEL workbook represent information that were not readily available, but can be gathered at a later date with a more in depth search of the available metadata.

General Park Information

Spatial Extent
36.07N -86.88E 31.53S -91.38W

County	State
Davidson	TN
Hickman	TN
Lawrence	TN
Lewis	TN
Maury	TN
Wayne	TN
Williamson	TN
Colbert	AL
Lauderdale	AL
Adams	MS
Attala	MS
Chickaswa	MS
Choctaw	MS
Claiborne	MS
Clay	MS
Hinds	MS
Itawamba	MS
Jefferson	MS
Leake	MS
Lee	MS
Madison	MS
Pontotoc	MS
Prentiss	MS
Tishomingo	MS
Webster	MS

Watershed	HUC
Harpeth, TN	051302204
Lower Duck, TN	06040003
Buffalo, TN	06040004
Pickwick Lake, TN, AL, MS	06030005
Bear, AL, MS	06030006
Upper Tombigbee, AL, MS	03160101
Town, MS	03160102
Tibbee, MS	03160104
Upper Big Black, MS	08060201
Upper Pearl, MS	03180001
Lower Big Black, LA, MS	08060202
Middle Pearl-Strong, MS	03180002
Bayou Pierre, LA, MS	08060203
Coles Creek, LA, MS	08060204

General Park Information

1:24,000 Quad	Code	State
BELLEVUE	36086-A8	TN
COLLINWOOD	35087-B6	TN
CYPRESS INN	35087-A7	TN
FAIRVIEW	35087-H1	TN
GORDONSBURG	35087-E4	TN
GREENFIELD BEND	35087-F3	TN
HENRYVILLE	35087-D4	TN
LEIPERS FORK	35086-H8	TN
NEGRO HOLLOW/ WAYNESBORO EAST	35087-C6	TN
OVILLA	35087-C5	TN
PRIMM SPRINGS	35087-G2	TN
RIVERSIDE	35087-D5	TN
SUNRISE	35087-F4	TN
THETA	35087-G1	TN
THREE CHURCHES	35087-B7	TN
WILLIAMSPORT	35087-F2	TN
WRIGHT	34087-H8	AL
THREET	34087-H7	AL
MARGERUM	34088-G1	AL
CHEROKEE	34087-G8	AL
BISHOP	34088-F1	AL
BELMONT	34088-E2	MS
BIG BLACK	32090-B7	MS
BISSELL	34088-B7	MS
CANTON	32090-E1	MS
CARLISLE	32090-A7	MS
CAYUGA	32090-B6	MS
CHURCH HILL	31091-F2	MS
CLINTON	32090-C3	MS
CRANFIELD	31091-E2	MS
EDWARDS	32090-C5	MS
ETHEL NORTH	33089-B4	MS
ETHEL SOUTH	33089-A4	MS
FARMHAVEN	32089-F7	MS
FRENCH CAMP	33089-C4	MS
FULTON NE	34088-D3	MS
GUNTOWN	34088-D6	MS
HERMANVILLE	31090-H7	MS
HOUSTON EAST	33088-H8	MS
JOSEPH	32089-H6	MS
KIRKVILLE	34088-D4	MS
KOSCIUSKO	33089-A5	MS
LEARNED	32090-B5	MS
LORMAN	31091-G1	MS
MABEN	33089-E1	MS
MADISON	32090-D1	MS
MANTEE	33089-F1	MS
OFAHOMA	32089-F6	MS
PADEN SE	34088-E3	MS

General Park Information

1:24,000 Quad (cont.)	Code	State
POCAHONTAS	32090-D3	MS
PORT GIBSON	31090-H8	MS
RATLIFF	34088-D5	MS
RAYMOND	32090-C4	MS
REFORM	33089-D2	MS
RIDGELAND	32090-D2	MS
RODNEY	31091-G2	MS
SAPA	33089-E2	MS
SHARON SE	32089-E7	MS
SHERMAN	34088-C7	MS
SHOCCOE	32089-E8	MS
SINGLETON	32089-H5	MS
SPARTA	33088-G8	MS
THOMASTOWN	32089-G6	MS
TISHOMINGO	34088-F2	MS
TOMNOLEN	33089-D3	MS
TROY	34088-A8	MS
TROY SE	34088-A7	MS
TUPELO	34088-C6	MS
WASHINGTON	31091-E3	MS
WEIR	33089-C3	MS
WIDOWS CREEK	31091-H1	MS
WILLOWS	32090-A8	MS
WOODLAND	33089-G1	MS

1:100,000 Quad	State
MURFREESBORO	TN
HOHENWALD	TN
LAWRENCEBURG	TN, AL
NASHVILLE	TN
TUSCUMBIA	AL, TN
CORINTH	MS, AL, TN
TUPELO	MS, AL
WEST POINT	MS, AL
GRENADA	MS
KOSCIUSKO	MS
CARTHAGE	MS
BROOKHAVEN	MS
JACKSON	MS, LA
NATCHEZ	MS, LA
YAZOO CITY	MS

1:250,000 Quad	State
Jackson	MS, LA
Natchez	MS, LA
Meridian	MS, AL

General Park Information

1:250,000 Quad (cont.)	State
West Point	MS, AL
Tupelo	MS, AL
Gadsden	AL
Columbia	TN
Nashville	TN

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_1	MARIS	MARIS	TISHOMINGO	DRG	1:24,000	Raster	
L_2	MARIS	MARIS	PADEN SE	DRG	1:24,000	Raster	
L_3	MARIS	MARIS	BELMONT	DRG	1:24,000	Raster	
L_4	MARIS	MARIS	RATLIFF	DRG	1:24,000	Raster	
L_5	MARIS	MARIS	KIRKVILLE	DRG	1:24,000	Raster	
L_6	MARIS	MARIS	GUNTOWN	DRG	1:24,000	Raster	
L_7	MARIS	MARIS	FULTON NE	DRG	1:24,000	Raster	
L_8	MARIS	MARIS	SHERMAN	DRG	1:24,000	Raster	
L_9	MARIS	MARIS	TUPELO	DRG	1:24,000	Raster	
L_10	MARIS	MARIS	BISSELL	DRG	1:24,000	Raster	
L_11	MARIS	MARIS	TROY SE	DRG	1:24,000	Raster	
L_12	MARIS	MARIS	TROY	DRG	1:24,000	Raster	
L_13	MARIS	MARIS	HOUSTON EAST	DRG	1:24,000	Raster	
L_14	MARIS	MARIS	SPARTA	DRG	1:24,000	Raster	
L_15	MARIS	MARIS	WOODLAND	DRG	1:24,000	Raster	
L_16	MARIS	MARIS	MANTEE	DRG	1:24,000	Raster	
L_17	MARIS	MARIS	SAPA	DRG	1:24,000	Raster	
L_18	MARIS	MARIS	MABEN	DRG	1:24,000	Raster	
L_19	MARIS	MARIS	REFORM	DRG	1:24,000	Raster	
L_20	MARIS	MARIS	TOMNOLEN	DRG	1:24,000	Raster	
L_21	MARIS	MARIS	FRENCH CAMP	DRG	1:24,000	Raster	
L_22	MARIS	MARIS	WEIR	DRG	1:24,000	Raster	
L_23	MARIS	MARIS	ETHEL NORTH	DRG	1:24,000	Raster	
L_24	MARIS	MARIS	KOSCIUSKO	DRG	1:24,000	Raster	
L_25	MARIS	MARIS	ETHEL SOUTH	DRG	1:24,000	Raster	
L_26	MARIS	MARIS	JOSEPH	DRG	1:24,000	Raster	
L_27	MARIS	MARIS	SINGLETON	DRG	1:24,000	Raster	
L_28	MARIS	MARIS	THOMASTOWN	DRG	1:24,000	Raster	
L_29	MARIS	MARIS	FARMHAVEN	DRG	1:24,000	Raster	
L_30	MARIS	MARIS	OFAHOMA	DRG	1:24,000	Raster	
L_31	MARIS	MARIS	CANTON	DRG	1:24,000	Raster	
L_32	MARIS	MARIS	SHOCCOE	DRG	1:24,000	Raster	
L_33	MARIS	MARIS	SHARON SE	DRG	1:24,000	Raster	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_34	MARIS	MARIS	RIDGELAND	DRG	1:24,000	Raster	
L_35	MARIS	MARIS	MADISON	DRG	1:24,000	Raster	
L_36	MARIS	MARIS	POCAHONTAS	DRG	1:24,000	Raster	
L_37	MARIS	MARIS	EDWARDS	DRG	1:24,000	Raster	
L_38	MARIS	MARIS	CLINTON	DRG	1:24,000	Raster	
L_39	MARIS	MARIS	RAYMOND	DRG	1:24,000	Raster	
L_40	MARIS	MARIS	BIG BLACK	DRG	1:24,000	Raster	
L_41	MARIS	MARIS	CAYUGA	DRG	1:24,000	Raster	
L_42	MARIS	MARIS	LEARNED	DRG	1:24,000	Raster	
L_43	MARIS	MARIS	WILLOWS	DRG	1:24,000	Raster	
L_44	MARIS	MARIS	CARLISLE	DRG	1:24,000	Raster	
L_45	MARIS	MARIS	HERMANVILLE	DRG	1:24,000	Raster	
L_46	MARIS	MARIS	WIDOWS CREEK	DRG	1:24,000	Raster	
L_47	MARIS	MARIS	PORT GIBSON	DRG	1:24,000	Raster	
L_48	MARIS	MARIS	LORMAN	DRG	1:24,000	Raster	
L_49	MARIS	MARIS	RODNEY	DRG	1:24,000	Raster	
L_50	MARIS	MARIS	CHURCH HILL	DRG	1:24,000	Raster	
L_51	MARIS	MARIS	WASHINGTON	DRG	1:24,000	Raster	
L_52	MARIS	MARIS	CRANFIELD	DRG	1:24,000	Raster	
L_53	MARIS	MARIS	TISHOMINGO_NE	DOQQ	1:12,000	Raster	1 m
L_54	MARIS	MARIS	TISHOMINGO_NW	DOQQ	1:12,000	Raster	1 m
L_55	MARIS	MARIS	TISHOMINGO_SE	DOQQ	1:12,000	Raster	1 m
L_56	MARIS	MARIS	TISHOMINGO_SW	DOQQ	1:12,000	Raster	1 m
L_57	MARIS	MARIS	PADEN SE_NE	DOQQ	1:12,000	Raster	1 m
L_58	MARIS	MARIS	PADEN SE_NW	DOQQ	1:12,000	Raster	1 m
L_59	MARIS	MARIS	PADEN SE_SE	DOQQ	1:12,000	Raster	1 m
L_60	MARIS	MARIS	PADEN SE_SW	DOQQ	1:12,000	Raster	1 m
L_61	MARIS	MARIS	BELMONT_NE	DOQQ	1:12,000	Raster	1 m
L_62	MARIS	MARIS	BELMONT_NW	DOQQ	1:12,000	Raster	1 m
L_63	MARIS	MARIS	BELMONT_SE	DOQQ	1:12,000	Raster	1 m
L_64	MARIS	MARIS	BELMONT_SW	DOQQ	1:12,000	Raster	1 m
L_65	MARIS	MARIS	RATLIFF_NE	DOQQ	1:12,000	Raster	1 m
L_66	MARIS	MARIS	RATLIFF_NW	DOQQ	1:12,000	Raster	1 m

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_67	MARIS	MARIS	RATLIFF_SE	DOQQ	1:12,000	Raster	1 m
L_68	MARIS	MARIS	RATLIFF_SW	DOQQ	1:12,000	Raster	1 m
L_69	MARIS	MARIS	KIRKVILLE_NE	DOQQ	1:12,000	Raster	1 m
L_70	MARIS	MARIS	KIRKVILLE_NW	DOQQ	1:12,000	Raster	1 m
L_71	MARIS	MARIS	KIRKVILLE_SE	DOQQ	1:12,000	Raster	1 m
L_72	MARIS	MARIS	KIRKVILLE_SW	DOQQ	1:12,000	Raster	1 m
L_73	MARIS	MARIS	GUNTOWN_NE	DOQQ	1:12,000	Raster	1 m
L_74	MARIS	MARIS	GUNTOWN_NW	DOQQ	1:12,000	Raster	1 m
L_75	MARIS	MARIS	GUNTOWN_SE	DOQQ	1:12,000	Raster	1 m
L_76	MARIS	MARIS	GUNTOWN_SW	DOQQ	1:12,000	Raster	1 m
L_77	MARIS	MARIS	FULTON NE_NE	DOQQ	1:12,000	Raster	1 m
L_78	MARIS	MARIS	FULTON NE_NW	DOQQ	1:12,000	Raster	1 m
L_79	MARIS	MARIS	FULTON NE_SE	DOQQ	1:12,000	Raster	1 m
L_80	MARIS	MARIS	FULTON NE_SW	DOQQ	1:12,000	Raster	1 m
L_81	MARIS	MARIS	SHERMAN_NE	DOQQ	1:12,000	Raster	1 m
L_82	MARIS	MARIS	SHERMAN_NW	DOQQ	1:12,000	Raster	1 m
L_83	MARIS	MARIS	SHERMAN_SE	DOQQ	1:12,000	Raster	1 m
L_84	MARIS	MARIS	SHERMAN_SW	DOQQ	1:12,000	Raster	1 m
L_85	MARIS	MARIS	TUPELO_NE	DOQQ	1:12,000	Raster	1 m
L_86	MARIS	MARIS	TUPELO_NW	DOQQ	1:12,000	Raster	1 m
L_87	MARIS	MARIS	TUPELO_SE	DOQQ	1:12,000	Raster	1 m
L_88	MARIS	MARIS	TUPELO_SW	DOQQ	1:12,000	Raster	1 m
L_89	MARIS	MARIS	BISSELL_NE	DOQQ	1:12,000	Raster	1 m
L_90	MARIS	MARIS	BISSELL_NW	DOQQ	1:12,000	Raster	1 m
L_91	MARIS	MARIS	BISSELL_SE	DOQQ	1:12,000	Raster	1 m
L_92	MARIS	MARIS	BISSELL_SW	DOQQ	1:12,000	Raster	1 m
L_93	MARIS	MARIS	TROY SE_NE	DOQQ	1:12,000	Raster	1 m
L_94	MARIS	MARIS	TROY SE_NW	DOQQ	1:12,000	Raster	1 m
L_95	MARIS	MARIS	TROY SE_SE	DOQQ	1:12,000	Raster	1 m
L_96	MARIS	MARIS	TROY SE_SW	DOQQ	1:12,000	Raster	1 m
L_97	MARIS	MARIS	TROY_NE	DOQQ	1:12,000	Raster	1 m
L_98	MARIS	MARIS	TROY_NW	DOQQ	1:12,000	Raster	1 m
L_99	MARIS	MARIS	TROY_SE	DOQQ	1:12,000	Raster	1 m

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_100	MARIS	MARIS	TROY_SW	DOQQ	1:12,000	Raster	1 m
L_101	MARIS	MARIS	HOUSTON EAST_NE	DOQQ	1:12,000	Raster	1 m
L_102	MARIS	MARIS	HOUSTON EAST_NW	DOQQ	1:12,000	Raster	1 m
L_103	MARIS	MARIS	HOUSTON EAST_SE	DOQQ	1:12,000	Raster	1 m
L_104	MARIS	MARIS	HOUSTON EAST_SW	DOQQ	1:12,000	Raster	1 m
L_105	MARIS	MARIS	SPARTA_NE	DOQQ	1:12,000	Raster	1 m
L_106	MARIS	MARIS	SPARTA_NW	DOQQ	1:12,000	Raster	1 m
L_107	MARIS	MARIS	SPARTA_SE	DOQQ	1:12,000	Raster	1 m
L_108	MARIS	MARIS	SPARTA_SW	DOQQ	1:12,000	Raster	1 m
L_109	MARIS	MARIS	WOODLAND_NE	DOQQ	1:12,000	Raster	1 m
L_110	MARIS	MARIS	WOODLAND_NW	DOQQ	1:12,000	Raster	1 m
L_111	MARIS	MARIS	WOODLAND_SE	DOQQ	1:12,000	Raster	1 m
L_112	MARIS	MARIS	WOODLAND_SW	DOQQ	1:12,000	Raster	1 m
L_113	MARIS	MARIS	MANTEE_NE	DOQQ	1:12,000	Raster	1 m
L_114	MARIS	MARIS	MANTEE_NW	DOQQ	1:12,000	Raster	1 m
L_115	MARIS	MARIS	MANTEE_SE	DOQQ	1:12,000	Raster	1 m
L_116	MARIS	MARIS	MANTEE_SW	DOQQ	1:12,000	Raster	1 m
L_117	MARIS	MARIS	SAPA_NE	DOQQ	1:12,000	Raster	1 m
L_118	MARIS	MARIS	SAPA_NW	DOQQ	1:12,000	Raster	1 m
L_119	MARIS	MARIS	SAPA_SE	DOQQ	1:12,000	Raster	1 m
L_120	MARIS	MARIS	SAPA_SW	DOQQ	1:12,000	Raster	1 m
L_121	MARIS	MARIS	MABEN_NE	DOQQ	1:12,000	Raster	1 m
L_122	MARIS	MARIS	MABEN_NW	DOQQ	1:12,000	Raster	1 m
L_123	MARIS	MARIS	MABEN_SE	DOQQ	1:12,000	Raster	1 m
L_124	MARIS	MARIS	MABEN_SW	DOQQ	1:12,000	Raster	1 m
L_125	MARIS	MARIS	REFORM_NE	DOQQ	1:12,000	Raster	1 m
L_126	MARIS	MARIS	REFORM_NW	DOQQ	1:12,000	Raster	1 m
L_127	MARIS	MARIS	REFORM_SE	DOQQ	1:12,000	Raster	1 m
L_128	MARIS	MARIS	REFORM_SW	DOQQ	1:12,000	Raster	1 m
L_129	MARIS	MARIS	TOMNOLEN_NE	DOQQ	1:12,000	Raster	1 m
L_130	MARIS	MARIS	TOMNOLEN_NW	DOQQ	1:12,000	Raster	1 m
L_131	MARIS	MARIS	TOMNOLEN_SE	DOQQ	1:12,000	Raster	1 m
L_132	MARIS	MARIS	TOMNOLEN_SW	DOQQ	1:12,000	Raster	1 m

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_133	MARIS	MARIS	FRENCH CAMP_NE	DOQQ	1:12,000	Raster	1 m
L_134	MARIS	MARIS	FRENCH CAMP_NW	DOQQ	1:12,000	Raster	1 m
L_135	MARIS	MARIS	FRENCH CAMP_SE	DOQQ	1:12,000	Raster	1 m
L_136	MARIS	MARIS	FRENCH CAMP_SW	DOQQ	1:12,000	Raster	1 m
L_137	MARIS	MARIS	WEIR_NE	DOQQ	1:12,000	Raster	1 m
L_138	MARIS	MARIS	WEIR_NW	DOQQ	1:12,000	Raster	1 m
L_139	MARIS	MARIS	WEIR_SE	DOQQ	1:12,000	Raster	1 m
L_140	MARIS	MARIS	WEIR_SW	DOQQ	1:12,000	Raster	1 m
L_141	MARIS	MARIS	ETHEL NORTH_NE	DOQQ	1:12,000	Raster	1 m
L_142	MARIS	MARIS	ETHEL NORTH_NW	DOQQ	1:12,000	Raster	1 m
L_143	MARIS	MARIS	ETHEL NORTH_SE	DOQQ	1:12,000	Raster	1 m
L_144	MARIS	MARIS	ETHEL NORTH_SW	DOQQ	1:12,000	Raster	1 m
L_145	MARIS	MARIS	KOSCIUSKO_NE	DOQQ	1:12,000	Raster	1 m
L_146	MARIS	MARIS	KOSCIUSKO_NW	DOQQ	1:12,000	Raster	1 m
L_147	MARIS	MARIS	KOSCIUSKO_SE	DOQQ	1:12,000	Raster	1 m
L_148	MARIS	MARIS	KOSCIUSKO_SW	DOQQ	1:12,000	Raster	1 m
L_149	MARIS	MARIS	ETHEL SOUTH_NE	DOQQ	1:12,000	Raster	1 m
L_150	MARIS	MARIS	ETHEL SOUTH_NW	DOQQ	1:12,000	Raster	1 m
L_151	MARIS	MARIS	ETHEL SOUTH_SE	DOQQ	1:12,000	Raster	1 m
L_152	MARIS	MARIS	ETHEL SOUTH_SW	DOQQ	1:12,000	Raster	1 m
L_153	MARIS	MARIS	JOSEPH_NE	DOQQ	1:12,000	Raster	1 m
L_154	MARIS	MARIS	JOSEPH_NW	DOQQ	1:12,000	Raster	1 m
L_155	MARIS	MARIS	JOSEPH_SE	DOQQ	1:12,000	Raster	1 m
L_156	MARIS	MARIS	JOSEPH_SW	DOQQ	1:12,000	Raster	1 m
L_157	MARIS	MARIS	SINGLETON_NE	DOQQ	1:12,000	Raster	1 m
L_158	MARIS	MARIS	SINGLETON_NW	DOQQ	1:12,000	Raster	1 m
L_159	MARIS	MARIS	SINGLETON_SE	DOQQ	1:12,000	Raster	1 m
L_160	MARIS	MARIS	SINGLETON_SW	DOQQ	1:12,000	Raster	1 m
L_161	MARIS	MARIS	THOMASTOWN_NE	DOQQ	1:12,000	Raster	1 m
L_162	MARIS	MARIS	THOMASTOWN_NW	DOQQ	1:12,000	Raster	1 m
L_163	MARIS	MARIS	THOMASTOWN_SE	DOQQ	1:12,000	Raster	1 m
L_164	MARIS	MARIS	THOMASTOWN_SW	DOQQ	1:12,000	Raster	1 m
L_165	MARIS	MARIS	FARMHAVEN_NE	DOQQ	1:12,000	Raster	1 m

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_166	MARIS	MARIS	FARMHAVEN_NW	DOQQ	1:12,000	Raster	1 m
L_167	MARIS	MARIS	FARMHAVEN_SE	DOQQ	1:12,000	Raster	1 m
L_168	MARIS	MARIS	FARMHAVEN_SW	DOQQ	1:12,000	Raster	1 m
L_169	MARIS	MARIS	OFAHOMA_NE	DOQQ	1:12,000	Raster	1 m
L_170	MARIS	MARIS	OFAHOMA_NW	DOQQ	1:12,000	Raster	1 m
L_171	MARIS	MARIS	OFAHOMA_SE	DOQQ	1:12,000	Raster	1 m
L_172	MARIS	MARIS	OFAHOMA_SW	DOQQ	1:12,000	Raster	1 m
L_173	MARIS	MARIS	CANTON_NE	DOQQ	1:12,000	Raster	1 m
L_174	MARIS	MARIS	CANTON_NW	DOQQ	1:12,000	Raster	1 m
L_175	MARIS	MARIS	CANTON_SE	DOQQ	1:12,000	Raster	1 m
L_176	MARIS	MARIS	CANTON_SW	DOQQ	1:12,000	Raster	1 m
L_177	MARIS	MARIS	SHOCCOE_NE	DOQQ	1:12,000	Raster	1 m
L_178	MARIS	MARIS	SHOCCOE_NW	DOQQ	1:12,000	Raster	1 m
L_179	MARIS	MARIS	SHOCCOE_SE	DOQQ	1:12,000	Raster	1 m
L_180	MARIS	MARIS	SHOCCOE_SW	DOQQ	1:12,000	Raster	1 m
L_181	MARIS	MARIS	SHARON SE_NE	DOQQ	1:12,000	Raster	1 m
L_182	MARIS	MARIS	SHARON SE_NW	DOQQ	1:12,000	Raster	1 m
L_183	MARIS	MARIS	SHARON SE_SE	DOQQ	1:12,000	Raster	1 m
L_184	MARIS	MARIS	SHARON SE_SW	DOQQ	1:12,000	Raster	1 m
L_185	MARIS	MARIS	RIDGELAND_NE	DOQQ	1:12,000	Raster	1 m
L_186	MARIS	MARIS	RIDGELAND_NW	DOQQ	1:12,000	Raster	1 m
L_187	MARIS	MARIS	RIDGELAND_SE	DOQQ	1:12,000	Raster	1 m
L_188	MARIS	MARIS	RIDGELAND_SW	DOQQ	1:12,000	Raster	1 m
L_189	MARIS	MARIS	MADISON_NE	DOQQ	1:12,000	Raster	1 m
L_190	MARIS	MARIS	MADISON_NW	DOQQ	1:12,000	Raster	1 m
L_191	MARIS	MARIS	MADISON_SE	DOQQ	1:12,000	Raster	1 m
L_192	MARIS	MARIS	MADISON_SW	DOQQ	1:12,000	Raster	1 m
L_193	MARIS	MARIS	POCAHONTAS_NE	DOQQ	1:12,000	Raster	1 m
L_194	MARIS	MARIS	POCAHONTAS_NW	DOQQ	1:12,000	Raster	1 m
L_195	MARIS	MARIS	POCAHONTAS_SE	DOQQ	1:12,000	Raster	1 m
L_196	MARIS	MARIS	POCAHONTAS_SW	DOQQ	1:12,000	Raster	1 m
L_197	MARIS	MARIS	EDWARDS_NE	DOQQ	1:12,000	Raster	1 m
L_198	MARIS	MARIS	EDWARDS_NW	DOQQ	1:12,000	Raster	1 m

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_199	MARIS	MARIS	EDWARDS_SE	DOQQ	1:12,000	Raster	1 m
L_200	MARIS	MARIS	EDWARDS_SW	DOQQ	1:12,000	Raster	1 m
L_201	MARIS	MARIS	CLINTON_NE	DOQQ	1:12,000	Raster	1 m
L_202	MARIS	MARIS	CLINTON_NW	DOQQ	1:12,000	Raster	1 m
L_203	MARIS	MARIS	CLINTON_SE	DOQQ	1:12,000	Raster	1 m
L_204	MARIS	MARIS	CLINTON_SW	DOQQ	1:12,000	Raster	1 m
L_205	MARIS	MARIS	RAYMOND_NE	DOQQ	1:12,000	Raster	1 m
L_206	MARIS	MARIS	RAYMOND_NW	DOQQ	1:12,000	Raster	1 m
L_207	MARIS	MARIS	RAYMOND_SE	DOQQ	1:12,000	Raster	1 m
L_208	MARIS	MARIS	RAYMOND_SW	DOQQ	1:12,000	Raster	1 m
L_209	MARIS	MARIS	BIG BLACK_NE	DOQQ	1:12,000	Raster	1 m
L_210	MARIS	MARIS	BIG BLACK_NW	DOQQ	1:12,000	Raster	1 m
L_211	MARIS	MARIS	BIG BLACK_SE	DOQQ	1:12,000	Raster	1 m
L_212	MARIS	MARIS	BIG BLACK_SW	DOQQ	1:12,000	Raster	1 m
L_213	MARIS	MARIS	CAYUGA_NE	DOQQ	1:12,000	Raster	1 m
L_214	MARIS	MARIS	CAYUGA_NW	DOQQ	1:12,000	Raster	1 m
L_215	MARIS	MARIS	CAYUGA_SE	DOQQ	1:12,000	Raster	1 m
L_216	MARIS	MARIS	CAYUGA_SW	DOQQ	1:12,000	Raster	1 m
L_217	MARIS	MARIS	LEARNED_NE	DOQQ	1:12,000	Raster	1 m
L_218	MARIS	MARIS	LEARNED_NW	DOQQ	1:12,000	Raster	1 m
L_219	MARIS	MARIS	LEARNED_SE	DOQQ	1:12,000	Raster	1 m
L_220	MARIS	MARIS	LEARNED_SW	DOQQ	1:12,000	Raster	1 m
L_221	MARIS	MARIS	WILLOWS_NE	DOQQ	1:12,000	Raster	1 m
L_222	MARIS	MARIS	WILLOWS_NW	DOQQ	1:12,000	Raster	1 m
L_223	MARIS	MARIS	WILLOWS_SE	DOQQ	1:12,000	Raster	1 m
L_224	MARIS	MARIS	WILLOWS_SW	DOQQ	1:12,000	Raster	1 m
L_225	MARIS	MARIS	CARLISLE_NE	DOQQ	1:12,000	Raster	1 m
L_226	MARIS	MARIS	CARLISLE_NW	DOQQ	1:12,000	Raster	1 m
L_227	MARIS	MARIS	CARLISLE_SE	DOQQ	1:12,000	Raster	1 m
L_228	MARIS	MARIS	CARLISLE_SW	DOQQ	1:12,000	Raster	1 m
L_229	MARIS	MARIS	HERMANVILLE_NE	DOQQ	1:12,000	Raster	1 m
L_230	MARIS	MARIS	HERMANVILLE_NW	DOQQ	1:12,000	Raster	1 m
L_231	MARIS	MARIS	HERMANVILLE_SE	DOQQ	1:12,000	Raster	1 m

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_232	MARIS	MARIS	HERMANVILLE_SW	DOQQ	1:12,000	Raster	1 m
L_233	MARIS	MARIS	WIDOWS CREEK_NE	DOQQ	1:12,000	Raster	1 m
L_234	MARIS	MARIS	WIDOWS CREEK_NW	DOQQ	1:12,000	Raster	1 m
L_235	MARIS	MARIS	WIDOWS CREEK_SE	DOQQ	1:12,000	Raster	1 m
L_236	MARIS	MARIS	WIDOWS CREEK_SW	DOQQ	1:12,000	Raster	1 m
L_237	MARIS	MARIS	PORT GIBSON_NE	DOQQ	1:12,000	Raster	1 m
L_238	MARIS	MARIS	PORT GIBSON_NW	DOQQ	1:12,000	Raster	1 m
L_239	MARIS	MARIS	PORT GIBSON_SE	DOQQ	1:12,000	Raster	1 m
L_240	MARIS	MARIS	PORT GIBSON_SW	DOQQ	1:12,000	Raster	1 m
L_241	MARIS	MARIS	LORMAN_NE	DOQQ	1:12,000	Raster	1 m
L_242	MARIS	MARIS	LORMAN_NW	DOQQ	1:12,000	Raster	1 m
L_243	MARIS	MARIS	LORMAN_SE	DOQQ	1:12,000	Raster	1 m
L_244	MARIS	MARIS	LORMAN_SW	DOQQ	1:12,000	Raster	1 m
L_245	MARIS	MARIS	RODNEY_NE	DOQQ	1:12,000	Raster	1 m
L_246	MARIS	MARIS	RODNEY_NW	DOQQ	1:12,000	Raster	1 m
L_247	MARIS	MARIS	RODNEY_SE	DOQQ	1:12,000	Raster	1 m
L_248	MARIS	MARIS	RODNEY_SW	DOQQ	1:12,000	Raster	1 m
L_249	MARIS	MARIS	CHURCH HILL_NE	DOQQ	1:12,000	Raster	1 m
L_250	MARIS	MARIS	CHURCH HILL_NW	DOQQ	1:12,000	Raster	1 m
L_251	MARIS	MARIS	CHURCH HILL_SE	DOQQ	1:12,000	Raster	1 m
L_252	MARIS	MARIS	CHURCH HILL_SW	DOQQ	1:12,000	Raster	1 m
L_253	MARIS	MARIS	WASHINGTON_NE	DOQQ	1:12,000	Raster	1 m
L_254	MARIS	MARIS	WASHINGTON_NW	DOQQ	1:12,000	Raster	1 m
L_255	MARIS	MARIS	WASHINGTON_SE	DOQQ	1:12,000	Raster	1 m
L_256	MARIS	MARIS	WASHINGTON_SW	DOQQ	1:12,000	Raster	1 m
L_257	MARIS	MARIS	CRANFIELD_NE	DOQQ	1:12,000	Raster	1 m
L_258	MARIS	MARIS	CRANFIELD_NW	DOQQ	1:12,000	Raster	1 m
L_259	MARIS	MARIS	CRANFIELD_SE	DOQQ	1:12,000	Raster	1 m
L_260	MARIS	MARIS	CRANFIELD_SW	DOQQ	1:12,000	Raster	1 m
L_261	USGS	USGS	Church Hill, MS	DEM	1:24,000	Raster	30 m
L_262	USGS	USGS	Church Hill, MS	DLG_Boundaries	1:24,000	Vector	
L_263	USGS	USGS	Church Hill, MS	DLG_Hydrography	1:24,000	Vector	
L_264	USGS	USGS	Church Hill, MS	DLG_Hypsography	1:24,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_265	USGS	USGS	Church Hill, MS	DLG_Transportation	1:24,000	Vector	
L_266	USGS		Church Hill, MS	NWI Wetlands	1:24,000	Vector	
L_267	USGS	USGS	Cranfield, MS	DEM	1:24,000	Raster	30 m
L_268	USGS	USGS	Cranfield, MS	DLG_Boundaries	1:24,000	Vector	
L_269	USGS	USGS	Cranfield, MS	DLG_Hydrography	1:24,000	Vector	
L_270	USGS	USGS	Cranfield, MS	DLG_Hypsography	1:24,000	Vector	
L_271	USGS	USGS	Cranfield, MS	DLG_Transportation	1:24,000	Vector	
L_272	USGS		Cranfield, MS	NWI Wetlands	1:24,000	Vector	
L_273	USGS	USGS	Washington, MS	DEM	1:24,000	Raster	30 m
L_274	USGS	USGS	Washington, MS	DLG_Boundaries	1:24,000	Vector	
L_275	USGS	USGS	Washington, MS	DLG_Hydrography	1:24,000	Vector	
L_276	USGS	USGS	Washington, MS	DLG_Hypsography	1:24,000	Vector	
L_277	USGS	USGS	Washington, MS	DLG_Transportation	1:24,000	Vector	
L_278	USGS		Washington, MS	NWI Wetlands	1:24,000	Vector	
L_279	USGS	USGS	Ethel North, MS	DEM	1:24,000	Raster	30 m
L_280	USGS	USGS	Ethel North, MS	DLG_Boundaries	1:24,000	Vector	
L_281	USGS	USGS	Ethel North, MS	DLG_Hydrography	1:24,000	Vector	
L_282	USGS	USGS	Ethel North, MS	DLG_Hypsography	1:24,000	Vector	
L_283	USGS	USGS	Ethel North, MS	DLG_Transportation	1:24,000	Vector	
L_284	USGS		Ethel North, MS	NWI Wetlands	1:24,000	Vector	
L_285	USGS	USGS	Ethel South, MS	DEM	1:24,000	Raster	30 m
L_286	USGS	USGS	Ethel South, MS	DLG_Boundaries	1:24,000	Vector	
L_287	USGS	USGS	Ethel South, MS	DLG_Hydrography	1:24,000	Vector	
L_288	USGS	USGS	Ethel South, MS	DLG_Hypsography	1:24,000	Vector	
L_289	USGS	USGS	Ethel South, MS	DLG_Transportation	1:24,000	Vector	
L_290	USGS		Ethel South, MS	NWI Wetlands	1:24,000	Vector	
L_291	USGS	USGS	French Camp, MS	DEM	1:24,000	Raster	30 m
L_292	USGS	USGS	French Camp, MS	DLG_Boundaries	1:24,000	Vector	
L_293	USGS	USGS	French Camp, MS	DLG_Hydrography	1:24,000	Vector	
L_294	USGS	USGS	French Camp, MS	DLG_Hypsography	1:24,000	Vector	
L_295	USGS	USGS	French Camp, MS	DLG_Transportation	1:24,000	Vector	
L_296	USGS		French Camp, MS	NWI Wetlands	1:24,000	Vector	
L_297	USGS	USGS	Joseph, MS	DEM	1:24,000	Raster	30 m

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_298	USGS	USGS	Joseph, MS	DLG_Boundaries	1:24,000	Vector	
L_299	USGS	USGS	Joseph, MS	DLG_Hydrography	1:24,000	Vector	
L_300	USGS	USGS	Joseph, MS	DLG_Hypsography	1:24,000	Vector	
L_301	USGS	USGS	Joseph, MS	DLG_Transportation	1:24,000	Vector	
L_302	USGS		Joseph, MS	NWI Wetlands	1:24,000	Vector	
L_303	USGS	USGS	Kosciusko, MS	DEM	1:24,000	Raster	30 m
L_304	USGS	USGS	Kosciusko, MS	DLG_Boundaries	1:24,000	Vector	
L_305	USGS	USGS	Kosciusko, MS	DLG_Hydrography	1:24,000	Vector	
L_306	USGS	USGS	Kosciusko, MS	DLG_Hypsography	1:24,000	Vector	
L_307	USGS	USGS	Kosciusko, MS	DLG_Transportation	1:24,000	Vector	
L_308	USGS		Kosciusko, MS	NWI Wetlands	1:24,000	Vector	
L_309	USGS	USGS	Singleton, MS	DEM	1:24,000	Raster	30 m
L_310	USGS	USGS	Singleton, MS	DLG_Boundaries	1:24,000	Vector	
L_311	USGS	USGS	Singleton, MS	DLG_Hydrography	1:24,000	Vector	
L_312	USGS	USGS	Singleton, MS	DLG_Hypsography	1:24,000	Vector	
L_313	USGS	USGS	Singleton, MS	DLG_Transportation	1:24,000	Vector	
L_314	USGS		Singleton, MS	NWI Wetlands	1:24,000	Vector	
L_315	USGS	USGS	Weir, MS	DEM	1:24,000	Raster	30 m
L_316	USGS	USGS	Weir, MS	DLG_Boundaries	1:24,000	Vector	
L_317	USGS	USGS	Weir, MS	DLG_Hydrography	1:24,000	Vector	
L_318	USGS	USGS	Weir, MS	DLG_Hypsography	1:24,000	Vector	
L_319	USGS	USGS	Weir, MS	DLG_Transportation	1:24,000	Vector	
L_320	USGS		Weir, MS	NWI Wetlands	1:24,000	Vector	
L_321	USGS	USGS	Houston East, MS	DEM	1:24,000	Raster	30 m
L_322	USGS	USGS	Houston East, MS	DLG_Boundaries	1:24,000	Vector	
L_323	USGS	USGS	Houston East, MS	DLG_Hydrography	1:24,000	Vector	
L_324	USGS	USGS	Houston East, MS	DLG_Hypsography	1:24,000	Vector	
L_325	USGS	USGS	Houston East, MS	DLG_Transportation	1:24,000	Vector	
L_326	USGS		Houston East, MS	NWI Wetlands	1:24,000	Vector	
L_327	USGS	USGS	Mantee, MS	DEM	1:24,000	Raster	30 m
L_328	USGS	USGS	Mantee, MS	DLG_Boundaries	1:24,000	Vector	
L_329	USGS	USGS	Mantee, MS	DLG_Hydrography	1:24,000	Vector	
L_330	USGS	USGS	Mantee, MS	DLG_Hypsography	1:24,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_331	USGS	USGS	Mantee, MS	DLG_Transportation	1:24,000	Vector	
L_332	USGS		Mantee, MS	NWI Wetlands_Polygon	1:24,000	Vector	
L_333	USGS		Mantee, MS	NWI Wetlands_Points	1:24,000	Vector	
L_334	USGS	USGS	Sparta, MS	DEM	1:24,000	Raster	30 m
L_335	USGS	USGS	Sparta, MS	DLG_Boundaries	1:24,000	Vector	
L_336	USGS	USGS	Sparta, MS	DLG_Hydrography	1:24,000	Vector	
L_337	USGS	USGS	Sparta, MS	DLG_Hypsography	1:24,000	Vector	
L_338	USGS	USGS	Sparta, MS	DLG_Transportation	1:24,000	Vector	
L_339	USGS		Sparta, MS	NWI Wetlands	1:24,000	Vector	
L_340	USGS	USGS	Troy SE, MS	DEM	1:24,000	Raster	30 m
L_341	USGS	USGS	Troy SE, MS	DLG_Boundaries	1:24,000	Vector	
L_342	USGS	USGS	Troy SE, MS	DLG_Hydrography	1:24,000	Vector	
L_343	USGS	USGS	Troy SE, MS	DLG_Hypsography	1:24,000	Vector	
L_344	USGS	USGS	Troy SE, MS	DLG_Public Lands	1:24,000	Vector	
L_345	USGS	USGS	Troy SE, MS	DLG_Transportation	1:24,000	Vector	
L_346	USGS		Troy SE, MS	NWI Wetlands_Polygon	1:24,000	Vector	
L_347	USGS		Troy SE, MS	NWI Wetlands_Points	1:24,000	Vector	
L_348	USGS	USGS	Troy, MS	DEM	1:24,000	Raster	30 m
L_349	USGS	USGS	Troy, MS	DLG_Boundaries	1:24,000	Vector	
L_350	USGS	USGS	Troy, MS	DLG_Hydrography	1:24,000	Vector	
L_351	USGS	USGS	Troy, MS	DLG_Hypsography	1:24,000	Vector	
L_352	USGS	USGS	Troy, MS	DLG_Transportation	1:24,000	Vector	
L_353	USGS		Troy, MS	NWI Wetlands	1:24,000	Vector	
L_354	USGS	USGS	Woodland, MS	DEM	1:24,000	Raster	30 m
L_355	USGS	USGS	Woodland, MS	DLG_Boundaries	1:24,000	Vector	
L_356	USGS	USGS	Woodland, MS	DLG_Hydrography	1:24,000	Vector	
L_357	USGS	USGS	Woodland, MS	DLG_Hypsography	1:24,000	Vector	
L_358	USGS	USGS	Woodland, MS	DLG_Transportation	1:24,000	Vector	
L_359	USGS		Woodland, MS	NWI Wetlands	1:24,000	Vector	
L_360	USGS	USGS	Maben, MS	DEM	1:24,000	Raster	30 m
L_361	USGS	USGS	Maben, MS	DLG_Boundaries	1:24,000	Vector	
L_362	USGS	USGS	Maben, MS	DLG_Hydrography	1:24,000	Vector	
L_363	USGS	USGS	Maben, MS	DLG_Hypsography	1:24,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_364	USGS	USGS	Maben, MS	DLG_Transportation	1:24,000	Vector	
L_365	USGS		Maben, MS	NWI Wetlands_Polygon	1:24,000	Vector	
L_366	USGS		Maben, MS	NWI Wetlands_Points	1:24,000	Vector	
L_367	USGS	USGS	Reform, MS	DEM	1:24,000	Raster	30 m
L_368	USGS	USGS	Reform, MS	DLG_Boundaries	1:24,000	Vector	
L_369	USGS	USGS	Reform, MS	DLG_Hydrography	1:24,000	Vector	
L_370	USGS	USGS	Reform, MS	DLG_Hypsography	1:24,000	Vector	
L_371	USGS	USGS	Reform, MS	DLG_Transportation	1:24,000	Vector	
L_372	USGS		Reform, MS	NWI Wetlands	1:24,000	Vector	
L_373	USGS	USGS	Sapa, MS	DEM	1:24,000	Raster	30 m
L_374	USGS	USGS	Sapa, MS	DLG_Boundaries	1:24,000	Vector	
L_375	USGS	USGS	Sapa, MS	DLG_Hydrography	1:24,000	Vector	
L_376	USGS	USGS	Sapa, MS	DLG_Hypsography	1:24,000	Vector	
L_377	USGS	USGS	Sapa, MS	DLG_Transportation	1:24,000	Vector	
L_378	USGS		Sapa, MS	NWI Wetlands	1:24,000	Vector	
L_379	USGS	USGS	Tomnolen, MS	DEM	1:24,000	Raster	30 m
L_380	USGS	USGS	Tomnolen, MS	DLG_Boundaries	1:24,000	Vector	
L_381	USGS	USGS	Tomnolen, MS	DLG_Hydrography	1:24,000	Vector	
L_382	USGS	USGS	Tomnolen, MS	DLG_Hypsography	1:24,000	Vector	
L_383	USGS	USGS	Tomnolen, MS	DLG_Transportation	1:24,000	Vector	
L_384	USGS		Tomnolen, MS	NWI Wetlands	1:24,000	Vector	
L_385	USGS	USGS	Big Black, MS	DEM	1:24,000	Raster	30 m
L_386	USGS	USGS	Big Black, MS	DLG_Boundaries	1:24,000	Vector	
L_387	USGS	USGS	Big Black, MS	DLG_Hydrography	1:24,000	Vector	
L_388	USGS	USGS	Big Black, MS	DLG_Hypsography	1:24,000	Vector	
L_389	USGS	USGS	Big Black, MS	DLG_Transportation	1:24,000	Vector	
L_390	USGS		Big Black, MS	NWI Wetlands	1:24,000	Vector	
L_391	USGS	USGS	Carlisle, MS	DEM	1:24,000	Raster	30 m
L_392	USGS	USGS	Carlisle, MS	DLG_Boundaries	1:24,000	Vector	
L_393	USGS	USGS	Carlisle, MS	DLG_Hydrography	1:24,000	Vector	
L_394	USGS	USGS	Carlisle, MS	DLG_Hypsography	1:24,000	Vector	
L_395	USGS	USGS	Carlisle, MS	DLG_Transportation	1:24,000	Vector	
L_396	USGS		Carlisle, MS	NWI Wetlands	1:24,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_397	USGS	USGS	Cayuga, MS	DEM	1:24,000	Raster	30 m
L_398	USGS	USGS	Cayuga, MS	DLG_Boundaries	1:24,000	Vector	
L_399	USGS	USGS	Cayuga, MS	DLG_Hydrography	1:24,000	Vector	
L_400	USGS	USGS	Cayuga, MS	DLG_Hypsography	1:24,000	Vector	
L_401	USGS	USGS	Cayuga, MS	DLG_Transportation	1:24,000	Vector	
L_402	USGS		Cayuga, MS	NWI Wetlands	1:24,000	Vector	
L_403	USGS	USGS	Hermanville, MS	DEM	1:24,000	Raster	30 m
L_404	USGS	USGS	Hermanville, MS	DLG_Boundaries	1:24,000	Vector	
L_405	USGS	USGS	Hermanville, MS	DLG_Hydrography	1:24,000	Vector	
L_406	USGS	USGS	Hermanville, MS	DLG_Hypsography	1:24,000	Vector	
L_407	USGS	USGS	Hermanville, MS	DLG_Transportation	1:24,000	Vector	
L_408	USGS		Hermanville, MS	NWI Wetlands	1:24,000	Vector	
L_409	USGS	USGS	Lorman, MS	DEM	1:24,000	Raster	30 m
L_410	USGS	USGS	Lorman, MS	DLG_Boundaries	1:24,000	Vector	
L_411	USGS	USGS	Lorman, MS	DLG_Hydrography	1:24,000	Vector	
L_412	USGS	USGS	Lorman, MS	DLG_Hypsography	1:24,000	Vector	
L_413	USGS	USGS	Lorman, MS	DLG_Transportation	1:24,000	Vector	
L_414	USGS		Lorman, MS	NWI Wetlands	1:24,000	Vector	
L_415	USGS	USGS	Port Gibson, MS	DEM	1:24,000	Raster	30 m
L_416	USGS	USGS	Port Gibson, MS	DLG_Boundaries	1:24,000	Vector	
L_417	USGS	USGS	Port Gibson, MS	DLG_Hydrography	1:24,000	Vector	
L_418	USGS	USGS	Port Gibson, MS	DLG_Hypsography	1:24,000	Vector	
L_419	USGS	USGS	Port Gibson, MS	DLG_Transportation	1:24,000	Vector	
L_420	USGS		Port Gibson, MS	NWI Wetlands	1:24,000	Vector	
L_421	USGS	USGS	Rodney, MS	DEM	1:24,000	Raster	30 m
L_422	USGS	USGS	Rodney, MS	DLG_Boundaries	1:24,000	Vector	
L_423	USGS	USGS	Rodney, MS	DLG_Hydrography	1:24,000	Vector	
L_424	USGS	USGS	Rodney, MS	DLG_Hypsography	1:24,000	Vector	
L_425	USGS	USGS	Rodney, MS	DLG_Transportation	1:24,000	Vector	
L_426	USGS		Rodney, MS	NWI Wetlands	1:24,000	Vector	
L_427	USGS	USGS	Widows Creek, MS	DEM	1:24,000	Raster	30 m
L_428	USGS	USGS	Widows Creek, MS	DLG_Boundaries	1:24,000	Vector	
L_429	USGS	USGS	Widows Creek, MS	DLG_Hydrography	1:24,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_430	USGS	USGS	Widows Creek, MS	DLG_Hypsography	1:24,000	Vector	
L_431	USGS	USGS	Widows Creek, MS	DLG_Transportation	1:24,000	Vector	
L_432	USGS		Widows Creek, MS	NWI Wetlands	1:24,000	Vector	
L_433	USGS	USGS	Willows, MS	DEM	1:24,000	Raster	30 m
L_434	USGS	USGS	Willows, MS	DLG_Boundaries	1:24,000	Vector	
L_435	USGS	USGS	Willows, MS	DLG_Hydrography	1:24,000	Vector	
L_436	USGS	USGS	Willows, MS	DLG_Hypsography	1:24,000	Vector	
L_437	USGS	USGS	Willows, MS	DLG_Transportation	1:24,000	Vector	
L_438	USGS		Willows, MS	NWI Wetlands	1:24,000	Vector	
L_439	USGS	USGS	Clinton, MS	DEM	1:24,000	Raster	30 m
L_440	USGS	USGS	Clinton, MS	DLG_Boundaries	1:24,000	Vector	
L_441	USGS	USGS	Clinton, MS	DLG_Hydrography	1:24,000	Vector	
L_442	USGS	USGS	Clinton, MS	DLG_Hypsography	1:24,000	Vector	
L_443	USGS	USGS	Clinton, MS	DLG_Transportation	1:24,000	Vector	
L_444	USGS		Clinton, MS	NWI Wetlands	1:24,000	Vector	
L_445	USGS	USGS	Edwards, MS	DEM	1:24,000	Raster	30 m
L_446	USGS	USGS	Edwards, MS	DLG_Boundaries	1:24,000	Vector	
L_447	USGS	USGS	Edwards, MS	DLG_Hydrography	1:24,000	Vector	
L_448	USGS	USGS	Edwards, MS	DLG_Hypsography	1:24,000	Vector	
L_449	USGS	USGS	Edwards, MS	DLG_Transportation	1:24,000	Vector	
L_450	USGS		Edwards, MS	NWI Wetlands	1:24,000	Vector	
L_451	USGS	USGS	Learned, MS	DEM	1:24,000	Raster	30 m
L_452	USGS	USGS	Learned, MS	DLG_Boundaries	1:24,000	Vector	
L_453	USGS	USGS	Learned, MS	DLG_Hydrography	1:24,000	Vector	
L_454	USGS	USGS	Learned, MS	DLG_Hypsography	1:24,000	Vector	
L_455	USGS	USGS	Learned, MS	DLG_Transportation	1:24,000	Vector	
L_456	USGS		Learned, MS	NWI Wetlands	1:24,000	Vector	
L_457	USGS	USGS	Madison, MS	DEM	1:24,000	Raster	30 m
L_458	USGS	USGS	Madison, MS	DLG_Boundaries	1:24,000	Vector	
L_459	USGS	USGS	Madison, MS	DLG_Hydrography	1:24,000	Vector	
L_460	USGS	USGS	Madison, MS	DLG_Hypsography	1:24,000	Vector	
L_461	USGS	USGS	Madison, MS	DLG_Transportation	1:24,000	Vector	
L_462	USGS		Madison, MS	NWI Wetlands	1:24,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_463	USGS	USGS	Raymond, MS	DEM	1:24,000	Raster	30 m
L_464	USGS	USGS	Raymond, MS	DLG_Boundaries	1:24,000	Vector	
L_465	USGS	USGS	Raymond, MS	DLG_Hydrography	1:24,000	Vector	
L_466	USGS	USGS	Raymond, MS	DLG_Hypsography	1:24,000	Vector	
L_467	USGS	USGS	Raymond, MS	DLG_Transportation	1:24,000	Vector	
L_468	USGS		Raymond, MS	NWI Wetlands	1:24,000	Vector	
L_469	USGS	USGS	Ridgeland, MS	DEM	1:24,000	Raster	30 m
L_470	USGS	USGS	Ridgeland, MS	DLG_Boundaries	1:24,000	Vector	
L_471	USGS	USGS	Ridgeland, MS	DLG_Hydrography	1:24,000	Vector	
L_472	USGS	USGS	Ridgeland, MS	DLG_Hypsography	1:24,000	Vector	
L_473	USGS	USGS	Ridgeland, MS	DLG_Transportation	1:24,000	Vector	
L_474	USGS		Ridgeland, MS	NWI Wetlands	1:24,000	Vector	
L_475	USGS	USGS	Fulton NE, MS	DEM	1:24,000	Raster	30 m
L_476	USGS	USGS	Fulton NE, MS	DLG_Boundaries	1:24,000	Vector	
L_477	USGS	USGS	Fulton NE, MS	DLG_Hydrography	1:24,000	Vector	
L_478	USGS	USGS	Fulton NE, MS	DLG_Hypsography	1:24,000	Vector	
L_479	USGS	USGS	Fulton NE, MS	DLG_Transportation	1:24,000	Vector	
L_480	USGS		Fulton NE, MS	NWI Wetlands_Points	1:24,000	Vector	
L_481	USGS		Fulton NE, MS	NWI Wetlands_Polygon	1:24,000	Vector	
L_482	USGS	USGS	Kirkville, MS	DEM	1:24,000	Raster	30 m
L_483	USGS	USGS	Kirkville, MS	DLG_Boundaries	1:24,000	Vector	
L_484	USGS	USGS	Kirkville, MS	DLG_Hydrography	1:24,000	Vector	
L_485	USGS	USGS	Kirkville, MS	DLG_Hypsography	1:24,000	Vector	
L_486	USGS	USGS	Kirkville, MS	DLG_Transportation	1:24,000	Vector	
L_487	USGS		Kirkville, MS	NWI Wetlands_Points	1:24,000	Vector	
L_488	USGS		Kirkville, MS	NWI Wetlands_Polygon	1:24,000	Vector	
L_489	USGS	USGS	Ratliff, MS	DEM	1:24,000	Raster	30 m
L_490	USGS	USGS	Ratliff, MS	DLG_Boundaries	1:24,000	Vector	
L_491	USGS	USGS	Ratliff, MS	DLG_Hydrography	1:24,000	Vector	
L_492	USGS	USGS	Ratliff, MS	DLG_Hypsography	1:24,000	Vector	
L_493	USGS	USGS	Ratliff, MS	DLG_Transportation	1:24,000	Vector	
L_494	USGS		Ratliff, MS	NWI Wetlands_Points	1:24,000	Vector	
L_495	USGS	USGS	Ofahoma, MS	DEM	1:24,000	Raster	30 m

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_496	USGS	USGS	Ofahoma, MS	DLG_Boundaries	1:24,000	Vector	
L_497	USGS	USGS	Ofahoma, MS	DLG_Hydrography	1:24,000	Vector	
L_498	USGS	USGS	Ofahoma, MS	DLG_Hypsography	1:24,000	Vector	
L_499	USGS	USGS	Ofahoma, MS	DLG_Transportation	1:24,000	Vector	
L_500	USGS		Ofahoma, MS	NWI Wetlands	1:24,000	Vector	
L_501	USGS	USGS	Thomastown, MS	DEM	1:24,000	Raster	30 m
L_502	USGS	USGS	Thomastown, MS	DLG_Boundaries	1:24,000	Vector	
L_503	USGS	USGS	Thomastown, MS	DLG_Hydrography	1:24,000	Vector	
L_504	USGS	USGS	Thomastown, MS	DLG_Hypsography	1:24,000	Vector	
L_505	USGS	USGS	Thomastown, MS	DLG_Transportation	1:24,000	Vector	
L_506	USGS		Thomastown, MS	NWI Wetlands	1:24,000	Vector	
L_507	USGS	USGS	Bissell, MS	DEM	1:24,000	Raster	30 m
L_508	USGS	USGS	Bissell, MS	DLG_Boundaries	1:24,000	Vector	
L_509	USGS	USGS	Bissell, MS	DLG_Hydrography	1:24,000	Vector	
L_510	USGS	USGS	Bissell, MS	DLG_Hypsography	1:24,000	Vector	
L_511	USGS	USGS	Bissell, MS	DLG_Public Lands	1:24,000	Vector	
L_512	USGS	USGS	Bissell, MS	DLG_Transportation	1:24,000	Vector	
L_513	USGS		Bissell, MS	NWI Wetlands	1:24,000	Vector	
L_514	USGS	USGS	Guntown, MS	DEM	1:24,000	Raster	30 m
L_515	USGS	USGS	Guntown, MS	DLG_Boundaries	1:24,000	Vector	
L_516	USGS	USGS	Guntown, MS	DLG_Hydrography	1:24,000	Vector	
L_517	USGS	USGS	Guntown, MS	DLG_Hypsography	1:24,000	Vector	
L_518	USGS	USGS	Guntown, MS	DLG_Public Lands	1:24,000	Vector	
L_519	USGS	USGS	Guntown, MS	DLG_Transportation	1:24,000	Vector	
L_520	USGS		Guntown, MS	NWI Wetlands_Points	1:24,000	Vector	
L_521	USGS		Guntown, MS	NWI Wetlands_Polygon	1:24,000	Vector	
L_522	USGS	USGS	Sherman, MS	DEM	1:24,000	Raster	30 m
L_523	USGS	USGS	Sherman, MS	DLG_Boundaries	1:24,000	Vector	
L_524	USGS	USGS	Sherman, MS	DLG_Hydrography	1:24,000	Vector	
L_525	USGS	USGS	Sherman, MS	DLG_Hypsography	1:24,000	Vector	
L_526	USGS	USGS	Sherman, MS	DLG_Public Lands	1:24,000	Vector	
L_527	USGS	USGS	Sherman, MS	DLG_Transportation	1:24,000	Vector	
L_528	USGS		Sherman, MS	NWI Wetlands	1:24,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_529	USGS	USGS	Tupelo, MS	DEM	1:24,000	Raster	30 m
L_530	USGS	USGS	Tupelo, MS	DLG_Boundaries	1:24,000	Vector	
L_531	USGS	USGS	Tupelo, MS	DLG_Hydrography	1:24,000	Vector	
L_532	USGS	USGS	Tupelo, MS	DLG_Hypsography	1:24,000	Vector	
L_533	USGS	USGS	Tupelo, MS	DLG_Public Lands	1:24,000	Vector	
L_534	USGS	USGS	Tupelo, MS	DLG_Transportation	1:24,000	Vector	
L_535	USGS		Tupelo, MS	NWI Wetlands	1:24,000	Vector	
L_536	USGS	USGS	Canton, MS	DEM	1:24,000	Raster	30 m
L_537	USGS	USGS	Canton, MS	DLG_Boundaries	1:24,000	Vector	
L_538	USGS	USGS	Canton, MS	DLG_Hydrography	1:24,000	Vector	
L_539	USGS	USGS	Canton, MS	DLG_Hypsography	1:24,000	Vector	
L_540	USGS	USGS	Canton, MS	DLG_Transportation	1:24,000	Vector	
L_541	USGS		Canton, MS	NWI Wetlands	1:24,000	Vector	
L_542	USGS	USGS	Farmhaven, MS	DEM	1:24,000	Raster	30 m
L_543	USGS	USGS	Farmhaven, MS	DLG_Boundaries	1:24,000	Vector	
L_544	USGS	USGS	Farmhaven, MS	DLG_Hydrography	1:24,000	Vector	
L_545	USGS	USGS	Farmhaven, MS	DLG_Hypsography	1:24,000	Vector	
L_546	USGS	USGS	Farmhaven, MS	DLG_Transportation	1:24,000	Vector	
L_547	USGS		Farmhaven, MS	NWI Wetlands	1:24,000	Vector	
L_548	USGS	USGS	Sharon SE, MS	DEM	1:24,000	Raster	30 m
L_549	USGS	USGS	Sharon SE, MS	DLG_Boundaries	1:24,000	Vector	
L_550	USGS	USGS	Sharon SE, MS	DLG_Hydrography	1:24,000	Vector	
L_551	USGS	USGS	Sharon SE, MS	DLG_Hypsography	1:24,000	Vector	
L_552	USGS	USGS	Sharon SE, MS	DLG_Transportation	1:24,000	Vector	
L_553	USGS		Sharon SE, MS	NWI Wetlands	1:24,000	Vector	
L_554	USGS	USGS	Shoccoe, MS	DEM	1:24,000	Raster	30 m
L_555	USGS	USGS	Shoccoe, MS	DLG_Boundaries	1:24,000	Vector	
L_556	USGS	USGS	Shoccoe, MS	DLG_Hydrography	1:24,000	Vector	
L_557	USGS	USGS	Shoccoe, MS	DLG_Hypsography	1:24,000	Vector	
L_558	USGS	USGS	Shoccoe, MS	DLG_Transportation	1:24,000	Vector	
L_559	USGS		Shoccoe, MS	NWI Wetlands	1:24,000	Vector	
L_560	USGS	USGS	Pocahontas, MS	DEM	1:24,000	Raster	30 m
L_561	USGS	USGS	Pocahontas, MS	DLG_Boundaries	1:24,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_562	USGS	USGS	Pocahontas, MS	DLG_Hydrography	1:24,000	Vector	
L_563	USGS	USGS	Pocahontas, MS	DLG_Hypsography	1:24,000	Vector	
L_564	USGS	USGS	Pocahontas, MS	DLG_Transportation	1:24,000	Vector	
L_565	USGS		Pocahontas, MS	NWI Wetlands	1:24,000	Vector	
L_566	USGS	USGS	Paden SE, MS	DEM	1:24,000	Raster	30 m
L_567	USGS	USGS	Paden SE, MS	DLG_Boundaries	1:24,000	Vector	
L_568	USGS	USGS	Paden SE, MS	DLG_Hydrography	1:24,000	Vector	
L_569	USGS	USGS	Paden SE, MS	DLG_Hypsography	1:24,000	Vector	
L_570	USGS	USGS	Paden SE, MS	DLG_Public Lands	1:24,000	Vector	
L_571	USGS	USGS	Paden SE, MS	DLG_Transportation	1:24,000	Vector	
L_572	USGS		Paden SE, MS	NWI Wetlands_Points	1:24,000	Vector	
L_573	USGS		Paden SE, MS	NWI Wetlands_Polygon	1:24,000	Vector	
L_574	USGS	USGS	Belmont, MS	DEM	1:24,000	Raster	30 m
L_575	USGS	USGS	Belmont, MS	DLG_Boundaries	1:24,000	Vector	
L_576	USGS	USGS	Belmont, MS	DLG_Hydrography	1:24,000	Vector	
L_577	USGS	USGS	Belmont, MS	DLG_Hypsography	1:24,000	Vector	
L_578	USGS	USGS	Belmont, MS	DLG_Transportation	1:24,000	Vector	
L_579	USGS		Belmont, MS	NWI Wetlands	1:24,000	Vector	
L_580	USGS	USGS	Tishomingo, MS	DEM	1:24,000	Raster	30 m
L_581	USGS	USGS	Tishomingo, MS	DLG_Boundaries	1:24,000	Vector	
L_582	USGS	USGS	Tishomingo, MS	DLG_Hydrography	1:24,000	Vector	
L_583	USGS	USGS	Tishomingo, MS	DLG_Hypsography	1:24,000	Vector	
L_584	USGS	USGS	Tishomingo, MS	DLG_Transportation	1:24,000	Vector	
L_585	USGS		Tishomingo, MS	NWI Wetlands_Points	1:24,000	Vector	
L_586	USGS		Tishomingo, MS	NWI Wetlands_Polygon	1:24,000	Vector	
L_587	MARIS	UMGC	Adams County	DEM	1:24,000	Raster	30 m
L_588	MARIS	MARIS	Adams County	DEM	1:24,000	Raster	10 m
L_589	MARIS	MSDEQ	Adams County	Agricultural Chemical Sampling Sites		Vector	
L_590	MARIS	USBOC	Adams County	Airport Runways	1:100,000	Vector	
L_591	MARIS	USBOC	Adams County	Census Block Groups	1:100,000	Vector	
L_592	MARIS	USBOC	Adams County	Census Block Numbering Areas	1:100,000	Vector	
L_593	MARIS	USBOC	Adams County	Census Blocks	1:100,000	Vector	
L_594	MARIS	USBOC	Adams County	County Border	1:100,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_595	MARIS	USGS_DLG, MSDOT	Adams County	County Roads and City Streets	1:100,000	Vector	
L_596	MARIS	USDA-SCS	Adams County	County Soils	1:20,000	Vector	
L_597	MARIS	MSPUS	Adams County	Electric Utility Service Areas	1:24,000 1:100,000	Vector	
L_598	MARIS	MSDWFP	Adams County	Environmentally Sensitive Areas	1:24,000	Vector	
L_599	MARIS	TNVA/MSFC	Adams County	Forest Industry Sites	1:24,000	Vector	
L_600	MARIS	MSPUS	Adams County	Gas Utility Service Areas	1:24,000 1:100,000	Vector	
L_601	MARIS	USBOC, MSDECD	Adams County	Inactive Railroads	1:100,000	Vector	
L_602	MARIS	USGS_DLG	Adams County	Intermittent Streams	1:100,000	Vector	
L_603	MARIS	UMS-MSMRI	Adams County	Natural Gas Pipelines	varies	Vector	
L_604	MARIS	USGS_DLG	Adams County	Perennial Streams	1:100,000	Vector	
L_605	MARIS	DEQ	Adams County	Permitted Wells	1:24,000	Vector	
L_606	MARIS	USGS_DLG, MSDOT	Adams County	Primary Roads	1:100,000	Vector	
L_607	MARIS	USBOC, MSDECD	Adams County	Railroads	1:100,000	Vector	
L_608	MARIS	DEQ	Adams County	RCRIS Sites	1:24,000	Vector	
L_609	MARIS	USGS_DLG, MSDOT	Adams County	Secondary Roads	1:100,000	Vector	
L_610	MARIS		Adams County	Sections	1:24,000	Vector	
L_611	MARIS	MSPUS	Adams County	Sewer Utility Service Areas	1:24,000 1:100,000	Vector	
L_612	MARIS	DEQ	Adams County	Superfund Sites (CERCLA)	1:24,000	Vector	
L_613	MARIS	MSDEQ	Adams County	Surface Geology	1:500,000	Vector	
L_614	MARIS	MSPUS	Adams County	Telephone Utility Service Areas	1:24,000 1:100,000	Vector	
L_615	MARIS	MSEMA	Adams County	Toxic Release Inventory	1:24,000	Vector	
L_616	MARIS	USBOC, USGS_DLG	Adams County	Transmission Lines	1:100,000	Vector	
L_617	MARIS	USGS_DLG	Adams County	USGS Land Use	1:250,000	Vector	
L_618	MARIS	USGS	Adams County	USGS Private Wells	1:24,000	Vector	
L_619	MARIS	USGS	Adams County	USGS Public Wells	1:24,000	Vector	
L_620	MARIS		Adams County	Waste Treatment Impoundments	1:24,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_621	MARIS	DEQ	Adams County	Wastewater Discharge Sites	1:24,000	Vector	
L_622	MARIS	MSPUS	Adams County	Water Utility Service Areas	1:24,000 1:100,000	Vector	
L_623	MARIS	UMGC	Attala County	DEM	1:24,000	Raster	30 m
L_624	MARIS	MARIS	Attala County	DEM	1:24,000	Raster	10 m
L_625	MARIS	MSDEQ	Attala County	Agricultural Chemical Sampling Sites		Vector	
L_626	MARIS	USBOC	Attala County	Airport Runways	1:100,000	Vector	
L_627	MARIS	USBOC	Attala County	Census Block Groups	1:100,000	Vector	
L_628	MARIS	USBOC	Attala County	Census Block Numbering Areas	1:100,000	Vector	
L_629	MARIS	USBOC	Attala County	Census Blocks	1:100,000	Vector	
L_630	MARIS	USBOC	Attala County	County Border	1:100,000	Vector	
L_631	MARIS	USGS_DLG, MSDOT	Attala County	County Roads and City Streets	1:100,000	Vector	
L_632	MARIS	USDA-SCS	Attala County	County Soils	1:20,000	Vector	
L_633	MARIS	MSPUS	Attala County	Electric Utility Service Areas	1:24,000 1:100,000	Vector	
L_634	MARIS	MSDWFP	Attala County	Environmentally Sensitive Areas	1:24,000	Vector	
L_635	MARIS	TNVA/MSFC	Attala County	Forest Industry Sites	1:24,000	Vector	
L_636	MARIS	MSPUS	Attala County	Gas Utility Service Areas	1:24,000 1:100,000	Vector	
L_637	MARIS	USBOC, MSDECD	Attala County	Inactive Railroads	1:100,000	Vector	
L_638	MARIS	USGS_DLG	Attala County	Intermittent Streams	1:100,000	Vector	
L_639	MARIS	UMS-MSMRI	Attala County	Natural Gas Pipelines	varies	Vector	
L_640	MARIS	USGS_DLG	Attala County	Perennial Streams	1:100,000	Vector	
L_641	MARIS	DEQ	Attala County	Permitted Wells	1:24,000	Vector	
L_642	MARIS	USGS_DLG, MSDOT	Attala County	Primary Roads	1:100,000	Vector	
L_643	MARIS	USBOC, MSDECD	Attala County	Railroads	1:100,000	Vector	
L_644	MARIS	DEQ	Attala County	RCRIS Sites	1:24,000	Vector	
L_645	MARIS	USGS_DLG, MSDOT	Attala County	Secondary Roads	1:100,000	Vector	
L_646	MARIS		Attala County	Sections	1:24,000	Vector	
L_647	MARIS	MSPUS	Attala County	Sewer Utility Service Areas	1:24,000 1:100,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_648	MARIS	DEQ	Attala County	Superfund Sites (CERCLA)	1:24,000	Vector	
L_649	MARIS	MSDEQ	Attala County	Surface Geology	1:500,000	Vector	
L_650	MARIS	MSPUS	Attala County	Telephone Utility Service Areas	1:24,000 1:100,000	Vector	
L_651	MARIS	MSEMA	Attala County	Toxic Release Inventory	1:24,000	Vector	
L_652	MARIS	USBOC, USGS_DLG	Attala County	Transmission Lines	1:100,000	Vector	
L_653	MARIS	USGS_DLG	Attala County	USGS Land Use	1:250,000	Vector	
L_654	MARIS	USGS	Attala County	USGS Private Wells	1:24,000	Vector	
L_655	MARIS	USGS	Attala County	USGS Public Wells	1:24,000	Vector	
L_656	MARIS		Attala County	Waste Treatment Impoundments	1:24,000	Vector	
L_657	MARIS	DEQ	Attala County	Wastewater Discharge Sites	1:24,000	Vector	
L_658	MARIS	MSPUS	Attala County	Water Utility Service Areas	1:24,000 1:100,000	Vector	
L_659	MARIS	UMGC	Chickaswa County	DEM	1:24,000	Raster	30 m
L_660	MARIS	MARIS	Chickaswa County	DEM	1:24,000	Raster	10 m
L_661	MARIS	MSDEQ	Chickaswa County	Agricultural Chemical Sampling Sites		Vector	
L_662	MARIS	USBOC	Chickaswa County	Airport Runways	1:100,000	Vector	
L_663	MARIS	USBOC	Chickaswa County	Census Block Groups	1:100,000	Vector	
L_664	MARIS	USBOC	Chickaswa County	Census Block Numbering Areas	1:100,000	Vector	
L_665	MARIS	USBOC	Chickaswa County	Census Blocks	1:100,000	Vector	
L_666	MARIS	USBOC	Chickaswa County	County Border	1:100,000	Vector	
L_667	MARIS	USGS_DLG, MSDOT	Chickaswa County	County Roads and City Streets	1:100,000	Vector	
L_668	MARIS	USDA-SCS	Chickaswa County	County Soils	1:20,000	Vector	
L_669	MARIS	MSPUS	Chickaswa County	Electric Utility Service Areas	1:24,000 1:100,000	Vector	
L_670	MARIS	MSDWFP	Chickaswa County	Environmentally Sensitive Areas	1:24,000	Vector	
L_671	MARIS	TNVA/MSFC	Chickaswa County	Forest Industry Sites	1:24,000	Vector	
L_672	MARIS	MSPUS	Chickaswa County	Gas Utility Service Areas	1:24,000 1:100,000	Vector	
L_673	MARIS	USBOC, MSDECD	Chickaswa County	Inactive Railroads	1:100,000	Vector	
L_674	MARIS	USGS_DLG	Chickaswa County	Intermittent Streams	1:100,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_675	MARIS	UMS-MSMRI	Chickaswa County	Natural Gas Pipelines	varies	Vector	
L_676	MARIS	USGS_DLG	Chickaswa County	Perennial Streams	1:100,000	Vector	
L_677	MARIS	DEQ	Chickaswa County	Permitted Wells	1:24,000	Vector	
L_678	MARIS	USGS_DLG, MSDOT	Chickaswa County	Primary Roads	1:100,000	Vector	
L_679	MARIS	USBOC, MSDECD	Chickaswa County	Railroads	1:100,000	Vector	
L_680	MARIS	DEQ	Chickaswa County	RCRIS Sites	1:24,000	Vector	
L_681	MARIS	USGS_DLG, MSDOT	Chickaswa County	Secondary Roads	1:100,000	Vector	
L_682	MARIS		Chickaswa County	Sections	1:24,000	Vector	
L_683	MARIS	MSPUS	Chickaswa County	Sewer Utility Service Areas	1:24,000 1:100,000	Vector	
L_684	MARIS	DEQ	Chickaswa County	Superfund Sites (CERCLA)	1:24,000	Vector	
L_685	MARIS	MSDEQ	Chickaswa County	Surface Geology	1:500,000	Vector	
L_686	MARIS	MSPUS	Chickaswa County	Telephone Utility Service Areas	1:24,000 1:100,000	Vector	
L_687	MARIS	MSEMA	Chickaswa County	Toxic Release Inventory	1:24,000	Vector	
L_688	MARIS	USBOC, USGS_DLG	Chickaswa County	Transmission Lines	1:100,000	Vector	
L_689	MARIS	USGS_DLG	Chickaswa County	USGS Land Use	1:250,000	Vector	
L_690	MARIS	USGS	Chickaswa County	USGS Private Wells	1:24,000	Vector	
L_691	MARIS	USGS	Chickaswa County	USGS Public Wells	1:24,000	Vector	
L_692	MARIS		Chickaswa County	Waste Treatment Impoundments	1:24,000	Vector	
L_693	MARIS	DEQ	Chickaswa County	Wastewater Discharge Sites	1:24,000	Vector	
L_694	MARIS	MSPUS	Chickaswa County	Water Utility Service Areas	1:24,000 1:100,000	Vector	
L_695	MARIS	UMGC	Choctaw County	DEM	1:24,000	Raster	30 m
L_696	MARIS	MARIS	Choctaw County	DEM	1:24,000	Raster	10 m
L_697	MARIS	MSDEQ	Choctaw County	Agricultural Chemical Sampling Sites		Vector	
L_698	MARIS	USBOC	Choctaw County	Airport Runways	1:100,000	Vector	
L_699	MARIS	USBOC	Choctaw County	Census Block Groups	1:100,000	Vector	
L_700	MARIS	USBOC	Choctaw County	Census Block Numbering Areas	1:100,000	Vector	
L_701	MARIS	USBOC	Choctaw County	Census Blocks	1:100,000	Vector	
L_702	MARIS	USBOC	Choctaw County	County Border	1:100,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_703	MARIS	USGS_DLG, MSDOT	Choctaw County	County Roads and City Streets	1:100,000	Vector	
L_704	MARIS	USDA-SCS	Choctaw County	County Soils	1:20,000	Vector	
L_705	MARIS	MSPUS	Choctaw County	Electric Utility Service Areas	1:24,000 1:100,000	Vector	
L_706	MARIS	MSDWFP	Choctaw County	Environmentally Sensitive Areas	1:24,000	Vector	
L_707	MARIS	TNVA/MSFC	Choctaw County	Forest Industry Sites	1:24,000	Vector	
L_708	MARIS	MSPUS	Choctaw County	Gas Utility Service Areas	1:24,000 1:100,000	Vector	
L_709	MARIS	USBOC, MSDECD	Choctaw County	Inactive Railroads	1:100,000	Vector	
L_710	MARIS	USGS_DLG	Choctaw County	Intermittent Streams	1:100,000	Vector	
L_711	MARIS	UMS-MSMRI	Choctaw County	Natural Gas Pipelines	varies	Vector	
L_712	MARIS	USGS_DLG	Choctaw County	Perennial Streams	1:100,000	Vector	
L_713	MARIS	DEQ	Choctaw County	Permitted Wells	1:24,000	Vector	
L_714	MARIS	USGS_DLG, MSDOT	Choctaw County	Primary Roads	1:100,000	Vector	
L_715	MARIS	USBOC, MSDECD	Choctaw County	Railroads	1:100,000	Vector	
L_716	MARIS	DEQ	Choctaw County	RCRIS Sites	1:24,000	Vector	
L_717	MARIS	USGS_DLG, MSDOT	Choctaw County	Secondary Roads	1:100,000	Vector	
L_718	MARIS		Choctaw County	Sections	1:24,000	Vector	
L_719	MARIS	MSPUS	Choctaw County	Sewer Utility Service Areas	1:24,000 1:100,000	Vector	
L_720	MARIS	DEQ	Choctaw County	Superfund Sites (CERCLA)	1:24,000	Vector	
L_721	MARIS	MSDEQ	Choctaw County	Surface Geology	1:500,000	Vector	
L_722	MARIS	MSPUS	Choctaw County	Telephone Utility Service Areas	1:24,000 1:100,000	Vector	
L_723	MARIS	MSEMA	Choctaw County	Toxic Release Inventory	1:24,000	Vector	
L_724	MARIS	USBOC, USGS_DLG	Choctaw County	Transmission Lines	1:100,000	Vector	
L_725	MARIS	USGS_DLG	Choctaw County	USGS Land Use	1:250,000	Vector	
L_726	MARIS	USGS	Choctaw County	USGS Private Wells	1:24,000	Vector	
L_727	MARIS	USGS	Choctaw County	USGS Public Wells	1:24,000	Vector	
L_728	MARIS		Choctaw County	Waste Treatment Impoundments	1:24,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_729	MARIS	DEQ	Choctaw County	Wastewater Discharge Sites	1:24,000	Vector	
L_730	MARIS	MSPUS	Choctaw County	Water Utility Service Areas	1:24,000 1:100,000	Vector	
L_731	MARIS	UMGC	Claiborne County	DEM	1:24,000	Raster	30 m
L_732	MARIS	MARIS	Claiborne County	DEM	1:24,000	Raster	10 m
L_733	MARIS	MSDEQ	Claiborne County	Agricultural Chemical Sampling Sites		Vector	
L_734	MARIS	USBOC	Claiborne County	Airport Runways	1:100,000	Vector	
L_735	MARIS	USBOC	Claiborne County	Census Block Groups	1:100,000	Vector	
L_736	MARIS	USBOC	Claiborne County	Census Block Numbering Areas	1:100,000	Vector	
L_737	MARIS	USBOC	Claiborne County	Census Blocks	1:100,000	Vector	
L_738	MARIS	USBOC	Claiborne County	County Border	1:100,000	Vector	
L_739	MARIS	USGS_DLG, MSDOT	Claiborne County	County Roads and City Streets	1:100,000	Vector	
L_740	MARIS	USDA-SCS	Claiborne County	County Soils	1:20,000	Vector	
L_741	MARIS	MSPUS	Claiborne County	Electric Utility Service Areas	1:24,000 1:100,000	Vector	
L_742	MARIS	MSDWFP	Claiborne County	Environmentally Sensitive Areas	1:24,000	Vector	
L_743	MARIS	TNVA/MSFC	Claiborne County	Forest Industry Sites	1:24,000	Vector	
L_744	MARIS	MSPUS	Claiborne County	Gas Utility Service Areas	1:24,000 1:100,000	Vector	
L_745	MARIS	USBOC, MSDECD	Claiborne County	Inactive Railroads	1:100,000	Vector	
L_746	MARIS	USGS_DLG	Claiborne County	Intermittent Streams	1:100,000	Vector	
L_747	MARIS	UMS-MSMRI	Claiborne County	Natural Gas Pipelines	varies	Vector	
L_748	MARIS	USGS_DLG	Claiborne County	Perennial Streams	1:100,000	Vector	
L_749	MARIS	DEQ	Claiborne County	Permitted Wells	1:24,000	Vector	
L_750	MARIS	USGS_DLG, MSDOT	Claiborne County	Primary Roads	1:100,000	Vector	
L_751	MARIS	USBOC, MSDECD	Claiborne County	Railroads	1:100,000	Vector	
L_752	MARIS	DEQ	Claiborne County	RCRIS Sites	1:24,000	Vector	
L_753	MARIS	USGS_DLG, MSDOT	Claiborne County	Secondary Roads	1:100,000	Vector	
L_754	MARIS		Claiborne County	Sections	1:24,000	Vector	
L_755	MARIS	MSPUS	Claiborne County	Sewer Utility Service Areas	1:24,000 1:100,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_756	MARIS	DEQ	Claiborne County	Superfund Sites (CERCLA)	1:24,000	Vector	
L_757	MARIS	MSDEQ	Claiborne County	Surface Geology	1:500,000	Vector	
L_758	MARIS	MSPUS	Claiborne County	Telephone Utility Service Areas	1:24,000 1:100,000	Vector	
L_759	MARIS	MSEMA	Claiborne County	Toxic Release Inventory	1:24,000	Vector	
L_760	MARIS	USBOC, USGS_DLG	Claiborne County	Transmission Lines	1:100,000	Vector	
L_761	MARIS	USGS_DLG	Claiborne County	USGS Land Use	1:250,000	Vector	
L_762	MARIS	USGS	Claiborne County	USGS Private Wells	1:24,000	Vector	
L_763	MARIS	USGS	Claiborne County	USGS Public Wells	1:24,000	Vector	
L_764	MARIS		Claiborne County	Waste Treatment Impoundments	1:24,000	Vector	
L_765	MARIS	DEQ	Claiborne County	Wastewater Discharge Sites	1:24,000	Vector	
L_766	MARIS	MSPUS	Claiborne County	Water Utility Service Areas	1:24,000 1:100,000	Vector	
L_767	MARIS	UMGC	Clay County	DEM	1:24,000	Raster	30 m
L_768	MARIS	MARIS	Clay County	DEM	1:24,000	Raster	10 m
L_769	MARIS	MSDEQ	Clay County	Agricultural Chemical Sampling Sites		Vector	
L_770	MARIS	USBOC	Clay County	Airport Runways	1:100,000	Vector	
L_771	MARIS	USBOC	Clay County	Census Block Groups	1:100,000	Vector	
L_772	MARIS	USBOC	Clay County	Census Block Numbering Areas	1:100,000	Vector	
L_773	MARIS	USBOC	Clay County	Census Blocks	1:100,000	Vector	
L_774	MARIS	USBOC	Clay County	County Border	1:100,000	Vector	
L_775	MARIS	USGS_DLG, MSDOT	Clay County	County Roads and City Streets	1:100,000	Vector	
L_776	MARIS	USDA-SCS	Clay County	County Soils	1:20,000	Vector	
L_777	MARIS	MSPUS	Clay County	Electric Utility Service Areas	1:24,000 1:100,000	Vector	
L_778	MARIS	MSDWFP	Clay County	Environmentally Sensitive Areas	1:24,000	Vector	
L_779	MARIS	TNVA/MSFC	Clay County	Forest Industry Sites	1:24,000	Vector	
L_780	MARIS	MSPUS	Clay County	Gas Utility Service Areas	1:24,000 1:100,000	Vector	
L_781	MARIS	USBOC, MSDECD	Clay County	Inactive Railroads	1:100,000	Vector	
L_782	MARIS	USGS_DLG	Clay County	Intermittent Streams	1:100,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_783	MARIS	UMS-MSMRI	Clay County	Natural Gas Pipelines	varies	Vector	
L_784	MARIS	USGS_DLG	Clay County	Perennial Streams	1:100,000	Vector	
L_785	MARIS	DEQ	Clay County	Permitted Wells	1:24,000	Vector	
L_786	MARIS	USGS_DLG, MSDOT	Clay County	Primary Roads	1:100,000	Vector	
L_787	MARIS	USBOC, MSDECD	Clay County	Railroads	1:100,000	Vector	
L_788	MARIS	DEQ	Clay County	RCRIS Sites	1:24,000	Vector	
L_789	MARIS	USGS_DLG, MSDOT	Clay County	Secondary Roads	1:100,000	Vector	
L_790	MARIS		Clay County	Sections	1:24,000	Vector	
L_791	MARIS	MSPUS	Clay County	Sewer Utility Service Areas	1:24,000 1:100,000	Vector	
L_792	MARIS	DEQ	Clay County	Superfund Sites (CERCLA)	1:24,000	Vector	
L_793	MARIS	MSDEQ	Clay County	Surface Geology	1:500,000	Vector	
L_794	MARIS	MSPUS	Clay County	Telephone Utility Service Areas	1:24,000 1:100,000	Vector	
L_795	MARIS	MSEMA	Clay County	Toxic Release Inventory	1:24,000	Vector	
L_796	MARIS	USBOC, USGS_DLG	Clay County	Transmission Lines	1:100,000	Vector	
L_797	MARIS	USGS_DLG	Clay County	USGS Land Use	1:250,000	Vector	
L_798	MARIS	USGS	Clay County	USGS Private Wells	1:24,000	Vector	
L_799	MARIS	USGS	Clay County	USGS Public Wells	1:24,000	Vector	
L_800	MARIS		Clay County	Waste Treatment Impoundments	1:24,000	Vector	
L_801	MARIS	DEQ	Clay County	Wastewater Discharge Sites	1:24,000	Vector	
L_802	MARIS	MSPUS	Clay County	Water Utility Service Areas	1:24,000 1:100,000	Vector	
L_803	MARIS	UMGC	Hinds County	DEM	1:24,000	Raster	30 m
L_804	MARIS	MARIS	Hinds County	DEM	1:24,000	Raster	10 m
L_805	MARIS	MSDEQ	Hinds County	Agricultural Chemical Sampling Sites		Vector	
L_806	MARIS	USBOC	Hinds County	Airport Runways	1:100,000	Vector	
L_807	MARIS	USBOC	Hinds County	Census Block Groups	1:100,000	Vector	
L_808	MARIS	USBOC	Hinds County	Census Block Numbering Areas	1:100,000	Vector	
L_809	MARIS	USBOC	Hinds County	Census Blocks	1:100,000	Vector	
L_810	MARIS	USBOC	Hinds County	County Border	1:100,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_811	MARIS	USGS_DLG, MSDOT	Hinds County	County Roads and City Streets	1:100,000	Vector	
L_812	MARIS	USDA-SCS	Hinds County	County Soils	1:20,000	Vector	
L_813	MARIS	MSPUS	Hinds County	Electric Utility Service Areas	1:24,000 1:100,000	Vector	
L_814	MARIS	MSDWFP	Hinds County	Environmentally Sensitive Areas	1:24,000	Vector	
L_815	MARIS	TNVA/MSFC	Hinds County	Forest Industry Sites	1:24,000	Vector	
L_816	MARIS	MSPUS	Hinds County	Gas Utility Service Areas	1:24,000 1:100,000	Vector	
L_817	MARIS	USBOC, MSDECD	Hinds County	Inactive Railroads	1:100,000	Vector	
L_818	MARIS	USGS_DLG	Hinds County	Intermittent Streams	1:100,000	Vector	
L_819	MARIS	UMS-MSMRI	Hinds County	Natural Gas Pipelines	varies	Vector	
L_820	MARIS	USGS_DLG	Hinds County	Perennial Streams	1:100,000	Vector	
L_821	MARIS	DEQ	Hinds County	Permitted Wells	1:24,000	Vector	
L_822	MARIS	USGS_DLG, MSDOT	Hinds County	Primary Roads	1:100,000	Vector	
L_823	MARIS	USBOC, MSDECD	Hinds County	Railroads	1:100,000	Vector	
L_824	MARIS	DEQ	Hinds County	RCRIS Sites	1:24,000	Vector	
L_825	MARIS	USGS_DLG, MSDOT	Hinds County	Secondary Roads	1:100,000	Vector	
L_826	MARIS		Hinds County	Sections	1:24,000	Vector	
L_827	MARIS	MSPUS	Hinds County	Sewer Utility Service Areas	1:24,000 1:100,000	Vector	
L_828	MARIS	DEQ	Hinds County	Superfund Sites (CERCLA)	1:24,000	Vector	
L_829	MARIS	MSDEQ	Hinds County	Surface Geology	1:500,000	Vector	
L_830	MARIS	MSPUS	Hinds County	Telephone Utility Service Areas	1:24,000 1:100,000	Vector	
L_831	MARIS	MSEMA	Hinds County	Toxic Release Inventory	1:24,000	Vector	
L_832	MARIS	USBOC, USGS_DLG	Hinds County	Transmission Lines	1:100,000	Vector	
L_833	MARIS	USGS_DLG	Hinds County	USGS Land Use	1:250,000	Vector	
L_834	MARIS	USGS	Hinds County	USGS Private Wells	1:24,000	Vector	
L_835	MARIS	USGS	Hinds County	USGS Public Wells	1:24,000	Vector	
L_836	MARIS		Hinds County	Waste Treatment Impoundments	1:24,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_837	MARIS	DEQ	Hinds County	Wastewater Discharge Sites	1:24,000	Vector	
L_838	MARIS	MSPUS	Hinds County	Water Utility Service Areas	1:24,000 1:100,000	Vector	
L_839	MARIS	UMGC	Itawamba County	DEM	1:24,000	Raster	30 m
L_840	MARIS	MARIS	Itawamba County	DEM	1:24,000	Raster	10 m
L_841	MARIS	MSDEQ	Itawamba County	Agricultural Chemical Sampling Sites		Vector	
L_842	MARIS	USBOC	Itawamba County	Airport Runways	1:100,000	Vector	
L_843	MARIS	USBOC	Itawamba County	Census Block Groups	1:100,000	Vector	
L_844	MARIS	USBOC	Itawamba County	Census Block Numbering Areas	1:100,000	Vector	
L_845	MARIS	USBOC	Itawamba County	Census Blocks	1:100,000	Vector	
L_846	MARIS	USBOC	Itawamba County	County Border	1:100,000	Vector	
L_847	MARIS	USGS_DLG, MSDOT	Itawamba County	County Roads and City Streets	1:100,000	Vector	
L_848	MARIS	USDA-SCS	Itawamba County	County Soils	1:20,000	Vector	
L_849	MARIS	MSPUS	Itawamba County	Electric Utility Service Areas	1:24,000 1:100,000	Vector	
L_850	MARIS	MSDWFP	Itawamba County	Environmentally Sensitive Areas	1:24,000	Vector	
L_851	MARIS	TNVA/MSFC	Itawamba County	Forest Industry Sites	1:24,000	Vector	
L_852	MARIS	MSPUS	Itawamba County	Gas Utility Service Areas	1:24,000 1:100,000	Vector	
L_853	MARIS	USBOC, MSDECD	Itawamba County	Inactive Railroads	1:100,000	Vector	
L_854	MARIS	USGS_DLG	Itawamba County	Intermittent Streams	1:100,000	Vector	
L_855	MARIS	UMS-MSMRI	Itawamba County	Natural Gas Pipelines	varies	Vector	
L_856	MARIS	USGS_DLG	Itawamba County	Perennial Streams	1:100,000	Vector	
L_857	MARIS	DEQ	Itawamba County	Permitted Wells	1:24,000	Vector	
L_858	MARIS	USGS_DLG, MSDOT	Itawamba County	Primary Roads	1:100,000	Vector	
L_859	MARIS	USBOC, MSDECD	Itawamba County	Railroads	1:100,000	Vector	
L_860	MARIS	DEQ	Itawamba County	RCRIS Sites	1:24,000	Vector	
L_861	MARIS	USGS_DLG, MSDOT	Itawamba County	Secondary Roads	1:100,000	Vector	
L_862	MARIS		Itawamba County	Sections	1:24,000	Vector	
L_863	MARIS	MSPUS	Itawamba County	Sewer Utility Service Areas	1:24,000 1:100,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_864	MARIS	DEQ	Itawamba County	Superfund Sites (CERCLA)	1:24,000	Vector	
L_865	MARIS	MSDEQ	Itawamba County	Surface Geology	1:500,000	Vector	
L_866	MARIS	MSPUS	Itawamba County	Telephone Utility Service Areas	1:24,000 1:100,000	Vector	
L_867	MARIS	MSEMA	Itawamba County	Toxic Release Inventory	1:24,000	Vector	
L_868	MARIS	USBOC, USGS_DLG	Itawamba County	Transmission Lines	1:100,000	Vector	
L_869	MARIS	USGS_DLG	Itawamba County	USGS Land Use	1:250,000	Vector	
L_870	MARIS	USGS	Itawamba County	USGS Private Wells	1:24,000	Vector	
L_871	MARIS	USGS	Itawamba County	USGS Public Wells	1:24,000	Vector	
L_872	MARIS		Itawamba County	Waste Treatment Impoundments	1:24,000	Vector	
L_873	MARIS	DEQ	Itawamba County	Wastewater Discharge Sites	1:24,000	Vector	
L_874	MARIS	MSPUS	Itawamba County	Water Utility Service Areas	1:24,000 1:100,000	Vector	
L_875	MARIS	UMGC	Jefferson County	DEM	1:24,000	Raster	30 m
L_876	MARIS	MARIS	Jefferson County	DEM	1:24,000	Raster	10 m
L_877	MARIS	MSDEQ	Jefferson County	Agricultural Chemical Sampling Sites		Vector	
L_878	MARIS	USBOC	Jefferson County	Airport Runways	1:100,000	Vector	
L_879	MARIS	USBOC	Jefferson County	Census Block Groups	1:100,000	Vector	
L_880	MARIS	USBOC	Jefferson County	Census Block Numbering Areas	1:100,000	Vector	
L_881	MARIS	USBOC	Jefferson County	Census Blocks	1:100,000	Vector	
L_882	MARIS	USBOC	Jefferson County	County Border	1:100,000	Vector	
L_883	MARIS	USGS_DLG, MSDOT	Jefferson County	County Roads and City Streets	1:100,000	Vector	
L_884	MARIS	USDA-SCS	Jefferson County	County Soils	1:20,000	Vector	
L_885	MARIS	MSPUS	Jefferson County	Electric Utility Service Areas	1:24,000 1:100,000	Vector	
L_886	MARIS	MSDWFP	Jefferson County	Environmentally Sensitive Areas	1:24,000	Vector	
L_887	MARIS	TNVA/MSFC	Jefferson County	Forest Industry Sites	1:24,000	Vector	
L_888	MARIS	MSPUS	Jefferson County	Gas Utility Service Areas	1:24,000 1:100,000	Vector	
L_889	MARIS	USBOC, MSDECD	Jefferson County	Inactive Railroads	1:100,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_890	MARIS	USGS_DLG	Jefferson County	Intermittent Streams	1:100,000	Vector	
L_891	MARIS	UMS-MSMRI	Jefferson County	Natural Gas Pipelines	varies	Vector	
L_892	MARIS	USGS_DLG	Jefferson County	Perennial Streams	1:100,000	Vector	
L_893	MARIS	DEQ	Jefferson County	Permitted Wells	1:24,000	Vector	
L_894	MARIS	USGS_DLG, MSDOT	Jefferson County	Primary Roads	1:100,000	Vector	
L_895	MARIS	USBOC, MSDECD	Jefferson County	Railroads	1:100,000	Vector	
L_896	MARIS	DEQ	Jefferson County	RCRIS Sites	1:24,000	Vector	
L_897	MARIS	USGS_DLG, MSDOT	Jefferson County	Secondary Roads	1:100,000	Vector	
L_898	MARIS		Jefferson County	Sections	1:24,000	Vector	
L_899	MARIS	MSPUS	Jefferson County	Sewer Utility Service Areas	1:24,000 1:100,000	Vector	
L_900	MARIS	DEQ	Jefferson County	Superfund Sites (CERCLA)	1:24,000	Vector	
L_901	MARIS	MSDEQ	Jefferson County	Surface Geology	1:500,000	Vector	
L_902	MARIS	MSPUS	Jefferson County	Telephone Utility Service Areas	1:24,000 1:100,000	Vector	
L_903	MARIS	MSEMA	Jefferson County	Toxic Release Inventory	1:24,000	Vector	
L_904	MARIS	USBOC, USGS_DLG	Jefferson County	Transmission Lines	1:100,000	Vector	
L_905	MARIS	USGS_DLG	Jefferson County	USGS Land Use	1:250,000	Vector	
L_906	MARIS	USGS	Jefferson County	USGS Private Wells	1:24,000	Vector	
L_907	MARIS	USGS	Jefferson County	USGS Public Wells	1:24,000	Vector	
L_908	MARIS		Jefferson County	Waste Treatment Impoundments	1:24,000	Vector	
L_909	MARIS	DEQ	Jefferson County	Wastewater Discharge Sites	1:24,000	Vector	
L_910	MARIS	MSPUS	Jefferson County	Water Utility Service Areas	1:24,000 1:100,000	Vector	
L_911	MARIS	UMGC	Leake County	DEM	1:24,000	Raster	30 m
L_912	MARIS	MARIS	Leake County	DEM	1:24,000	Raster	10 m
L_913	MARIS	MSDEQ	Leake County	Agricultural Chemical Sampling Sites		Vector	
L_914	MARIS	USBOC	Leake County	Airport Runways	1:100,000	Vector	
L_915	MARIS	USBOC	Leake County	Census Block Groups	1:100,000	Vector	
L_916	MARIS	USBOC	Leake County	Census Block Numbering Areas	1:100,000	Vector	
L_917	MARIS	USBOC	Leake County	Census Blocks	1:100,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_918	MARIS	USBOC	Leake County	County Border	1:100,000	Vector	
L_919	MARIS	USGS_DLG, MSDOT	Leake County	County Roads and City Streets	1:100,000	Vector	
L_920	MARIS	USDA-SCS	Leake County	County Soils	1:20,000	Vector	
L_921	MARIS	MSPUS	Leake County	Electric Utility Service Areas	1:24,000 1:100,000	Vector	
L_922	MARIS	MSDWFP	Leake County	Environmentally Sensitive Areas	1:24,000	Vector	
L_923	MARIS	TNVA/MSFC	Leake County	Forest Industry Sites	1:24,000	Vector	
L_924	MARIS	MSPUS	Leake County	Gas Utility Service Areas	1:24,000 1:100,000	Vector	
L_925	MARIS	USBOC, MSDECD	Leake County	Inactive Railroads	1:100,000	Vector	
L_926	MARIS	USGS_DLG	Leake County	Intermittent Streams	1:100,000	Vector	
L_927	MARIS	UMS-MSMRI	Leake County	Natural Gas Pipelines	varies	Vector	
L_928	MARIS	USGS_DLG	Leake County	Perennial Streams	1:100,000	Vector	
L_929	MARIS	DEQ	Leake County	Permitted Wells	1:24,000	Vector	
L_930	MARIS	USGS_DLG, MSDOT	Leake County	Primary Roads	1:100,000	Vector	
L_931	MARIS	USBOC, MSDECD	Leake County	Railroads	1:100,000	Vector	
L_932	MARIS	DEQ	Leake County	RCRIS Sites	1:24,000	Vector	
L_933	MARIS	USGS_DLG, MSDOT	Leake County	Secondary Roads	1:100,000	Vector	
L_934	MARIS		Leake County	Sections	1:24,000	Vector	
L_935	MARIS	MSPUS	Leake County	Sewer Utility Service Areas	1:24,000 1:100,000	Vector	
L_936	MARIS	DEQ	Leake County	Superfund Sites (CERCLA)	1:24,000	Vector	
L_937	MARIS	MSDEQ	Leake County	Surface Geology	1:500,000	Vector	
L_938	MARIS	MSPUS	Leake County	Telephone Utility Service Areas	1:24,000 1:100,000	Vector	
L_939	MARIS	MSEMA	Leake County	Toxic Release Inventory	1:24,000	Vector	
L_940	MARIS	USBOC, USGS_DLG	Leake County	Transmission Lines	1:100,000	Vector	
L_941	MARIS	USGS_DLG	Leake County	USGS Land Use	1:250,000	Vector	
L_942	MARIS	USGS	Leake County	USGS Private Wells	1:24,000	Vector	
L_943	MARIS	USGS	Leake County	USGS Public Wells	1:24,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_944	MARIS		Leake County	Waste Treatment Impoundments	1:24,000	Vector	
L_945	MARIS	DEQ	Leake County	Wastewater Discharge Sites	1:24,000	Vector	
L_946	MARIS	MSPUS	Leake County	Water Utility Service Areas	1:24,000 1:100,000	Vector	
L_947	MARIS	UMGC	Lee County	DEM	1:24,000	Raster	30 m
L_948	MARIS	MARIS	Lee County	DEM	1:24,000	Raster	10 m
L_949	MARIS	MSDEQ	Lee County	Agricultural Chemical Sampling Sites		Vector	
L_950	MARIS	USBOC	Lee County	Airport Runways	1:100,000	Vector	
L_951	MARIS	USBOC	Lee County	Census Block Groups	1:100,000	Vector	
L_952	MARIS	USBOC	Lee County	Census Block Numbering Areas	1:100,000	Vector	
L_953	MARIS	USBOC	Lee County	Census Blocks	1:100,000	Vector	
L_954	MARIS	USBOC	Lee County	County Border	1:100,000	Vector	
L_955	MARIS	USGS_DLG, MSDOT	Lee County	County Roads and City Streets	1:100,000	Vector	
L_956	MARIS	USDA-SCS	Lee County	County Soils	1:20,000	Vector	
L_957	MARIS	MSPUS	Lee County	Electric Utility Service Areas	1:24,000 1:100,000	Vector	
L_958	MARIS	MSDWFP	Lee County	Environmentally Sensitive Areas	1:24,000	Vector	
L_959	MARIS	TNVA/MSFC	Lee County	Forest Industry Sites	1:24,000	Vector	
L_960	MARIS	MSPUS	Lee County	Gas Utility Service Areas	1:24,000 1:100,000	Vector	
L_961	MARIS	USBOC, MSDECD	Lee County	Inactive Railroads	1:100,000	Vector	
L_962	MARIS	USGS_DLG	Lee County	Intermittent Streams	1:100,000	Vector	
L_963	MARIS	UMS-MSMRI	Lee County	Natural Gas Pipelines	varies	Vector	
L_964	MARIS	USGS_DLG	Lee County	Perennial Streams	1:100,000	Vector	
L_965	MARIS	DEQ	Lee County	Permitted Wells	1:24,000	Vector	
L_966	MARIS	USGS_DLG, MSDOT	Lee County	Primary Roads	1:100,000	Vector	
L_967	MARIS	USBOC, MSDECD	Lee County	Railroads	1:100,000	Vector	
L_968	MARIS	DEQ	Lee County	RCRIS Sites	1:24,000	Vector	
L_969	MARIS	USGS_DLG, MSDOT	Lee County	Secondary Roads	1:100,000	Vector	
L_970	MARIS		Lee County	Sections	1:24,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_971	MARIS	MSPUS	Lee County	Sewer Utility Service Areas	1:24,000 1:100,000	Vector	
L_972	MARIS	DEQ	Lee County	Superfund Sites (CERCLA)	1:24,000	Vector	
L_973	MARIS	MSDEQ	Lee County	Surface Geology	1:500,000	Vector	
L_974	MARIS	MSPUS	Lee County	Telephone Utility Service Areas	1:24,000 1:100,000	Vector	
L_975	MARIS	MSEMA	Lee County	Toxic Release Inventory	1:24,000	Vector	
L_976	MARIS	USBOC, USGS_DLG	Lee County	Transmission Lines	1:100,000	Vector	
L_977	MARIS	USGS_DLG	Lee County	USGS Land Use	1:250,000	Vector	
L_978	MARIS	USGS	Lee County	USGS Private Wells	1:24,000	Vector	
L_979	MARIS	USGS	Lee County	USGS Public Wells	1:24,000	Vector	
L_980	MARIS		Lee County	Waste Treatment Impoundments	1:24,000	Vector	
L_981	MARIS	DEQ	Lee County	Wastewater Discharge Sites	1:24,000	Vector	
L_982	MARIS	MSPUS	Lee County	Water Utility Service Areas	1:24,000 1:100,000	Vector	
L_983	MARIS	UMGC	Madison County	DEM	1:24,000	Raster	30 m
L_984	MARIS	MARIS	Madison County	DEM	1:24,000	Raster	10 m
L_985	MARIS	MSDEQ	Madison County	Agricultural Chemical Sampling Sites		Vector	
L_986	MARIS	USBOC	Madison County	Airport Runways	1:100,000	Vector	
L_987	MARIS	USBOC	Madison County	Census Block Groups	1:100,000	Vector	
L_988	MARIS	USBOC	Madison County	Census Block Numbering Areas	1:100,000	Vector	
L_989	MARIS	USBOC	Madison County	Census Blocks	1:100,000	Vector	
L_990	MARIS	USBOC	Madison County	County Border	1:100,000	Vector	
L_991	MARIS	USGS_DLG, MSDOT	Madison County	County Roads and City Streets	1:100,000	Vector	
L_992	MARIS	USDA-SCS	Madison County	County Soils	1:20,000	Vector	
L_993	MARIS	MSPUS	Madison County	Electric Utility Service Areas	1:24,000 1:100,000	Vector	
L_994	MARIS	MSDWFP	Madison County	Environmentally Sensitive Areas	1:24,000	Vector	
L_995	MARIS	TNVA/MSFC	Madison County	Forest Industry Sites	1:24,000	Vector	
L_996	MARIS	MSPUS	Madison County	Gas Utility Service Areas	1:24,000 1:100,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_997	MARIS	USBOC, MSDECD	Madison County	Inactive Railroads	1:100,000	Vector	
L_998	MARIS	USGS_DLG	Madison County	Intermittent Streams	1:100,000	Vector	
L_999	MARIS	UMS-MSMRI	Madison County	Natural Gas Pipelines	varies	Vector	
L_1000	MARIS	USGS_DLG	Madison County	Perennial Streams	1:100,000	Vector	
L_1001	MARIS	DEQ	Madison County	Permitted Wells	1:24,000	Vector	
L_1002	MARIS	USGS_DLG, MSDOT	Madison County	Primary Roads	1:100,000	Vector	
L_1003	MARIS	USBOC, MSDECD	Madison County	Railroads	1:100,000	Vector	
L_1004	MARIS	DEQ	Madison County	RCRIS Sites	1:24,000	Vector	
L_1005	MARIS	USGS_DLG, MSDOT	Madison County	Secondary Roads	1:100,000	Vector	
L_1006	MARIS		Madison County	Sections	1:24,000	Vector	
L_1007	MARIS	MSPUS	Madison County	Sewer Utility Service Areas	1:24,000 1:100,000	Vector	
L_1008	MARIS	DEQ	Madison County	Superfund Sites (CERCLA)	1:24,000	Vector	
L_1009	MARIS	MSDEQ	Madison County	Surface Geology	1:500,000	Vector	
L_1010	MARIS	MSPUS	Madison County	Telephone Utility Service Areas	1:24,000 1:100,000	Vector	
L_1011	MARIS	MSEMA	Madison County	Toxic Release Inventory	1:24,000	Vector	
L_1012	MARIS	USBOC, USGS_DLG	Madison County	Transmission Lines	1:100,000	Vector	
L_1013	MARIS	USGS_DLG	Madison County	USGS Land Use	1:250,000	Vector	
L_1014	MARIS	USGS	Madison County	USGS Private Wells	1:24,000	Vector	
L_1015	MARIS	USGS	Madison County	USGS Public Wells	1:24,000	Vector	
L_1016	MARIS		Madison County	Waste Treatment Impoundments	1:24,000	Vector	
L_1017	MARIS	DEQ	Madison County	Wastewater Discharge Sites	1:24,000	Vector	
L_1018	MARIS	MSPUS	Madison County	Water Utility Service Areas	1:24,000 1:100,000	Vector	
L_1019	MARIS	UMGC	Pontotoc County	DEM	1:24,000	Raster	30 m
L_1020	MARIS	MARIS	Pontotoc County	DEM	1:24,000	Raster	10 m
L_1021	MARIS	MSDEQ	Pontotoc County	Agricultural Chemical Sampling Sites		Vector	
L_1022	MARIS	USBOC	Pontotoc County	Airport Runways	1:100,000	Vector	
L_1023	MARIS	USBOC	Pontotoc County	Census Block Groups	1:100,000	Vector	
L_1024	MARIS	USBOC	Pontotoc County	Census Block Numbering Areas	1:100,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_1025	MARIS	USBOC	Pontotoc County	Census Blocks	1:100,000	Vector	
L_1026	MARIS	USBOC	Pontotoc County	County Border	1:100,000	Vector	
L_1027	MARIS	USGS_DLG, MSDOT	Pontotoc County	County Roads and City Streets	1:100,000	Vector	
L_1028	MARIS	USDA-SCS	Pontotoc County	County Soils	1:20,000	Vector	
L_1029	MARIS	MSPUS	Pontotoc County	Electric Utility Service Areas	1:24,000 1:100,000	Vector	
L_1030	MARIS	MSDWFP	Pontotoc County	Environmentally Sensitive Areas	1:24,000	Vector	
L_1031	MARIS	TNVA/MSFC	Pontotoc County	Forest Industry Sites	1:24,000	Vector	
L_1032	MARIS	MSPUS	Pontotoc County	Gas Utility Service Areas	1:24,000 1:100,000	Vector	
L_1033	MARIS	USBOC, MSDECD	Pontotoc County	Inactive Railroads	1:100,000	Vector	
L_1034	MARIS	USGS_DLG	Pontotoc County	Intermittent Streams	1:100,000	Vector	
L_1035	MARIS	UMS-MSMRI	Pontotoc County	Natural Gas Pipelines	varies	Vector	
L_1036	MARIS	USGS_DLG	Pontotoc County	Perennial Streams	1:100,000	Vector	
L_1037	MARIS	DEQ	Pontotoc County	Permitted Wells	1:24,000	Vector	
L_1038	MARIS	USGS_DLG, MSDOT	Pontotoc County	Primary Roads	1:100,000	Vector	
L_1039	MARIS	USBOC, MSDECD	Pontotoc County	Railroads	1:100,000	Vector	
L_1040	MARIS	DEQ	Pontotoc County	RCRIS Sites	1:24,000	Vector	
L_1041	MARIS	USGS_DLG, MSDOT	Pontotoc County	Secondary Roads	1:100,000	Vector	
L_1042	MARIS		Pontotoc County	Sections	1:24,000	Vector	
L_1043	MARIS	MSPUS	Pontotoc County	Sewer Utility Service Areas	1:24,000 1:100,000	Vector	
L_1044	MARIS	DEQ	Pontotoc County	Superfund Sites (CERCLA)	1:24,000	Vector	
L_1045	MARIS	MSDEQ	Pontotoc County	Surface Geology	1:500,000	Vector	
L_1046	MARIS	MSPUS	Pontotoc County	Telephone Utility Service Areas	1:24,000 1:100,000	Vector	
L_1047	MARIS	MSEMA	Pontotoc County	Toxic Release Inventory	1:24,000	Vector	
L_1048	MARIS	USBOC, USGS_DLG	Pontotoc County	Transmission Lines	1:100,000	Vector	
L_1049	MARIS	USGS_DLG	Pontotoc County	USGS Land Use	1:250,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_1050	MARIS	USGS	Pontotoc County	USGS Private Wells	1:24,000	Vector	
L_1051	MARIS	USGS	Pontotoc County	USGS Public Wells	1:24,000	Vector	
L_1052	MARIS		Pontotoc County	Waste Treatment Impoundments	1:24,000	Vector	
L_1053	MARIS	DEQ	Pontotoc County	Wastewater Discharge Sites	1:24,000	Vector	
L_1054	MARIS	MSPUS	Pontotoc County	Water Utility Service Areas	1:24,000 1:100,000	Vector	
L_1055	MARIS	UMGC	Prentiss County	DEM	1:24,000	Raster	30 m
L_1056	MARIS	MARIS	Prentiss County	DEM	1:24,000	Raster	10 m
L_1057	MARIS	MSDEQ	Prentiss County	Agricultural Chemical Sampling Sites		Vector	
L_1058	MARIS	USBOC	Prentiss County	Airport Runways	1:100,000	Vector	
L_1059	MARIS	USBOC	Prentiss County	Census Block Groups	1:100,000	Vector	
L_1060	MARIS	USBOC	Prentiss County	Census Block Numbering Areas	1:100,000	Vector	
L_1061	MARIS	USBOC	Prentiss County	Census Blocks	1:100,000	Vector	
L_1062	MARIS	USBOC	Prentiss County	County Border	1:100,000	Vector	
L_1063	MARIS	USGS_DLG, MSDOT	Prentiss County	County Roads and City Streets	1:100,000	Vector	
L_1064	MARIS	USDA-SCS	Prentiss County	County Soils	1:20,000	Vector	
L_1065	MARIS	MSPUS	Prentiss County	Electric Utility Service Areas	1:24,000 1:100,000	Vector	
L_1066	MARIS	MSDWFP	Prentiss County	Environmentally Sensitive Areas	1:24,000	Vector	
L_1067	MARIS	TNVA/MSFC	Prentiss County	Forest Industry Sites	1:24,000	Vector	
L_1068	MARIS	MSPUS	Prentiss County	Gas Utility Service Areas	1:24,000 1:100,000	Vector	
L_1069	MARIS	USBOC, MSDECD	Prentiss County	Inactive Railroads	1:100,000	Vector	
L_1070	MARIS	USGS_DLG	Prentiss County	Intermittent Streams	1:100,000	Vector	
L_1071	MARIS	UMS-MSMRI	Prentiss County	Natural Gas Pipelines	varies	Vector	
L_1072	MARIS	USGS_DLG	Prentiss County	Perennial Streams	1:100,000	Vector	
L_1073	MARIS	DEQ	Prentiss County	Permitted Wells	1:24,000	Vector	
L_1074	MARIS	USGS_DLG, MSDOT	Prentiss County	Primary Roads	1:100,000	Vector	
L_1075	MARIS	USBOC, MSDECD	Prentiss County	Railroads	1:100,000	Vector	
L_1076	MARIS	DEQ	Prentiss County	RCRIS Sites	1:24,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_1077	MARIS	USGS_DLG, MSDOT	Prentiss County	Secondary Roads	1:100,000	Vector	
L_1078	MARIS		Prentiss County	Sections	1:24,000	Vector	
L_1079	MARIS	MSPUS	Prentiss County	Sewer Utility Service Areas	1:24,000 1:100,000	Vector	
L_1080	MARIS	DEQ	Prentiss County	Superfund Sites (CERCLA)	1:24,000	Vector	
L_1081	MARIS	MSDEQ	Prentiss County	Surface Geology	1:500,000	Vector	
L_1082	MARIS	MSPUS	Prentiss County	Telephone Utility Service Areas	1:24,000 1:100,000	Vector	
L_1083	MARIS	MSEMA	Prentiss County	Toxic Release Inventory	1:24,000	Vector	
L_1084	MARIS	USBOC, USGS_DLG	Prentiss County	Transmission Lines	1:100,000	Vector	
L_1085	MARIS	USGS_DLG	Prentiss County	USGS Land Use	1:250,000	Vector	
L_1086	MARIS	USGS	Prentiss County	USGS Private Wells	1:24,000	Vector	
L_1087	MARIS	USGS	Prentiss County	USGS Public Wells	1:24,000	Vector	
L_1088	MARIS		Prentiss County	Waste Treatment Impoundments	1:24,000	Vector	
L_1089	MARIS	DEQ	Prentiss County	Wastewater Discharge Sites	1:24,000	Vector	
L_1090	MARIS	MSPUS	Prentiss County	Water Utility Service Areas	1:24,000 1:100,000	Vector	
L_1091	MARIS	UMGC	Tishomingo County	DEM	1:24,000	Raster	30 m
L_1092	MARIS	MARIS	Tishomingo County	DEM	1:24,000	Raster	10 m
L_1093	MARIS	MSDEQ	Tishomingo County	Agricultural Chemical Sampling Sites		Vector	
L_1094	MARIS	USBOC	Tishomingo County	Airport Runways	1:100,000	Vector	
L_1095	MARIS	USBOC	Tishomingo County	Census Block Groups	1:100,000	Vector	
L_1096	MARIS	USBOC	Tishomingo County	Census Block Numbering Areas	1:100,000	Vector	
L_1097	MARIS	USBOC	Tishomingo County	Census Blocks	1:100,000	Vector	
L_1098	MARIS	USBOC	Tishomingo County	County Border	1:100,000	Vector	
L_1099	MARIS	USGS_DLG, MSDOT	Tishomingo County	County Roads and City Streets	1:100,000	Vector	
L_1100	MARIS	USDA-SCS	Tishomingo County	County Soils	1:20,000	Vector	
L_1101	MARIS	MSPUS	Tishomingo County	Electric Utility Service Areas	1:24,000 1:100,000	Vector	
L_1102	MARIS	MSDWFP	Tishomingo County	Environmentally Sensitive Areas	1:24,000	Vector	
L_1103	MARIS	TNVA/MSFC	Tishomingo County	Forest Industry Sites	1:24,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_1104	MARIS	MSPUS	Tishomingo County	Gas Utility Service Areas	1:24,000 1:100,000	Vector	
L_1105	MARIS	USBOC, MSDECD	Tishomingo County	Inactive Railroads	1:100,000	Vector	
L_1106	MARIS	USGS_DLG	Tishomingo County	Intermittent Streams	1:100,000	Vector	
L_1107	MARIS	UMS-MSMRI	Tishomingo County	Natural Gas Pipelines	varies	Vector	
L_1108	MARIS	USGS_DLG	Tishomingo County	Perennial Streams	1:100,000	Vector	
L_1109	MARIS	DEQ	Tishomingo County	Permitted Wells	1:24,000	Vector	
L_1110	MARIS	USGS_DLG, MSDOT	Tishomingo County	Primary Roads	1:100,000	Vector	
L_1111	MARIS	USBOC, MSDECD	Tishomingo County	Railroads	1:100,000	Vector	
L_1112	MARIS	DEQ	Tishomingo County	RCRIS Sites	1:24,000	Vector	
L_1113	MARIS	USGS_DLG, MSDOT	Tishomingo County	Secondary Roads	1:100,000	Vector	
L_1114	MARIS		Tishomingo County	Sections	1:24,000	Vector	
L_1115	MARIS	MSPUS	Tishomingo County	Sewer Utility Service Areas	1:24,000 1:100,000	Vector	
L_1116	MARIS	DEQ	Tishomingo County	Superfund Sites (CERCLA)	1:24,000	Vector	
L_1117	MARIS	MSDEQ	Tishomingo County	Surface Geology	1:500,000	Vector	
L_1118	MARIS	MSPUS	Tishomingo County	Telephone Utility Service Areas	1:24,000 1:100,000	Vector	
L_1119	MARIS	MSEMA	Tishomingo County	Toxic Release Inventory	1:24,000	Vector	
L_1120	MARIS	USBOC, USGS_DLG	Tishomingo County	Transmission Lines	1:100,000	Vector	
L_1121	MARIS	USGS_DLG	Tishomingo County	USGS Land Use	1:250,000	Vector	
L_1122	MARIS	USGS	Tishomingo County	USGS Private Wells	1:24,000	Vector	
L_1123	MARIS	USGS	Tishomingo County	USGS Public Wells	1:24,000	Vector	
L_1124	MARIS		Tishomingo County	Waste Treatment Impoundments	1:24,000	Vector	
L_1125	MARIS	DEQ	Tishomingo County	Wastewater Discharge Sites	1:24,000	Vector	
L_1126	MARIS	MSPUS	Tishomingo County	Water Utility Service Areas	1:24,000 1:100,000	Vector	
L_1127	MARIS	UMGC	Webster County	DEM	1:24,000	Raster	30 m
L_1128	MARIS	MARIS	Webster County	DEM	1:24,000	Raster	10 m
L_1129	MARIS	MSDEQ	Webster County	Agricultural Chemical Sampling Sites		Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_1130	MARIS	USBOC	Webster County	Airport Runways	1:100,000	Vector	
L_1131	MARIS	USBOC	Webster County	Census Block Groups	1:100,000	Vector	
L_1132	MARIS	USBOC	Webster County	Census Block Numbering Areas	1:100,000	Vector	
L_1133	MARIS	USBOC	Webster County	Census Blocks	1:100,000	Vector	
L_1134	MARIS	USBOC	Webster County	County Border	1:100,000	Vector	
L_1135	MARIS	USGS_DLG, MSDOT	Webster County	County Roads and City Streets	1:100,000	Vector	
L_1136	MARIS	USDA-SCS	Webster County	County Soils	1:20,000	Vector	
L_1137	MARIS	MSPUS	Webster County	Electric Utility Service Areas	1:24,000 1:100,000	Vector	
L_1138	MARIS	MSDWFP	Webster County	Environmentally Sensitive Areas	1:24,000	Vector	
L_1139	MARIS	TNVA/MSFC	Webster County	Forest Industry Sites	1:24,000	Vector	
L_1140	MARIS	MSPUS	Webster County	Gas Utility Service Areas	1:24,000 1:100,000	Vector	
L_1141	MARIS	USBOC, MSDECD	Webster County	Inactive Railroads	1:100,000	Vector	
L_1142	MARIS	USGS_DLG	Webster County	Intermittent Streams	1:100,000	Vector	
L_1143	MARIS	UMS-MSMRI	Webster County	Natural Gas Pipelines	varies	Vector	
L_1144	MARIS	USGS_DLG	Webster County	Perennial Streams	1:100,000	Vector	
L_1145	MARIS	DEQ	Webster County	Permitted Wells	1:24,000	Vector	
L_1146	MARIS	USGS_DLG, MSDOT	Webster County	Primary Roads	1:100,000	Vector	
L_1147	MARIS	USBOC, MSDECD	Webster County	Railroads	1:100,000	Vector	
L_1148	MARIS	DEQ	Webster County	RCRIS Sites	1:24,000	Vector	
L_1149	MARIS	USGS_DLG, MSDOT	Webster County	Secondary Roads	1:100,000	Vector	
L_1150	MARIS		Webster County	Sections	1:24,000	Vector	
L_1151	MARIS	MSPUS	Webster County	Sewer Utility Service Areas	1:24,000 1:100,000	Vector	
L_1152	MARIS	DEQ	Webster County	Superfund Sites (CERCLA)	1:24,000	Vector	
L_1153	MARIS	MSDEQ	Webster County	Surface Geology	1:500,000	Vector	
L_1154	MARIS	MSPUS	Webster County	Telephone Utility Service Areas	1:24,000 1:100,000	Vector	
L_1155	MARIS	MSEMA	Webster County	Toxic Release Inventory	1:24,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_1156	MARIS	USBOC, USGS_DLG	Webster County	Transmission Lines	1:100,000	Vector	
L_1157	MARIS	USGS_DLG	Webster County	USGS Land Use	1:250,000	Vector	
L_1158	MARIS	USGS	Webster County	USGS Private Wells	1:24,000	Vector	
L_1159	MARIS	USGS	Webster County	USGS Public Wells	1:24,000	Vector	
L_1160	MARIS		Webster County	Waste Treatment Impoundments	1:24,000	Vector	
L_1161	MARIS	DEQ	Webster County	Wastewater Discharge Sites	1:24,000	Vector	
L_1162	MARIS	MSPUS	Webster County	Water Utility Service Areas	1:24,000 1:100,000	Vector	
L_1163	USDA/NRCS	NRCS	Hinds County	SSURGO - Soils	1:20,000	Vector	
L_1164	USDA/NRCS	NRCS	Lee County	SSURGO - Soils	1:20,000	Vector	
L_1165	USDA/NRCS	NRCS	Madison County	SSURGO - Soils	1:20,000	Vector	
L_1166	USDA/NRCS	NRCS	Pontotoc County	SSURGO - Soils	1:20,000	Vector	
L_1167	USDA/NRCS	NRCS	Prentiss County	SSURGO - Soils	1:24,000	Vector	
L_1168	USGS	USCB	Adams County	Tiger/Line 2000		Vector	
L_1169	USGS	USCB	Adams County	Tiger/Line 2002		Vector	
L_1170	USGS	USCB	Attala County	Tiger/Line 2000		Vector	
L_1171	USGS	USCB	Attala County	Tiger/Line 2002		Vector	
L_1172	USGS	USCB	Chickaswa County	Tiger/Line 2000		Vector	
L_1173	USGS	USCB	Chickaswa County	Tiger/Line 2002		Vector	
L_1174	USGS	USCB	Choctaw County	Tiger/Line 2000		Vector	
L_1175	USGS	USCB	Choctaw County	Tiger/Line 2002		Vector	
L_1176	USGS	USCB	Claiborne County	Tiger/Line 2000		Vector	
L_1177	USGS	USCB	Claiborne County	Tiger/Line 2002		Vector	
L_1178	USGS	USCB	Clay County	Tiger/Line 2000		Vector	
L_1179	USGS	USCB	Clay County	Tiger/Line 2002		Vector	
L_1180	USGS	USCB	Hinds County	Tiger/Line 2000		Vector	
L_1181	USGS	USCB	Hinds County	Tiger/Line 2002		Vector	
L_1182	USGS	USCB	Itawamba County	Tiger/Line 2000		Vector	
L_1183	USGS	USCB	Itawamba County	Tiger/Line 2002		Vector	
L_1184	USGS	USCB	Jefferson County	Tiger/Line 2000		Vector	
L_1185	USGS	USCB	Jefferson County	Tiger/Line 2002		Vector	
L_1186	USGS	USCB	Leake County	Tiger/Line 2000		Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_1187	USGS	USCB	Leake County	Tiger/Line 2002		Vector	
L_1188	USGS	USCB	Lee County	Tiger/Line 2000		Vector	
L_1189	USGS	USCB	Lee County	Tiger/Line 2002		Vector	
L_1190	USGS	USCB	Madison County	Tiger/Line 2000		Vector	
L_1191	USGS	USCB	Madison County	Tiger/Line 2002		Vector	
L_1192	USGS	USCB	Pontotoc County	Tiger/Line 2000		Vector	
L_1193	USGS	USCB	Pontotoc County	Tiger/Line 2002		Vector	
L_1194	USGS	USCB	Prentiss County	Tiger/Line 2000		Vector	
L_1195	USGS	USCB	Prentiss County	Tiger/Line 2002		Vector	
L_1196	USGS	USCB	Tishomingo County	Tiger/Line 2000		Vector	
L_1197	USGS	USCB	Tishomingo County	Tiger/Line 2002		Vector	
L_1198	USGS	USCB	Webster County	Tiger/Line 2000		Vector	
L_1199	USGS	USCB	Webster County	Tiger/Line 2002		Vector	
L_1200	USGS	EPA	Natchez 1:250,000 Quad	Composite Them Grid Format	1:250,000	Raster	200 m
L_1201	USGS	EPA	Natchez 1:250,000 Quad	Census County Subdivision	1:250,000	Vector	
L_1202	USGS	EPA	Natchez 1:250,000 Quad	Federal Land	1:250,000	Vector	
L_1203	USGS	EPA	Natchez 1:250,000 Quad	Hydrologic Units	1:250,000	Vector	
L_1204	USGS	EPA	Natchez 1:250,000 Quad	Land Use/Land Cover	1:250,000	Vector	
L_1205	USGS	EPA	Natchez 1:250,000 Quad	Political Units	1:250,000	Vector	
L_1206	USGS	EPA	Natchez 1:250,000 Quad	State Land	1:250,000	Vector	
L_1207	USGS	EPA	Meridian 1:250,000 Quad	Composite Them Grid Format	1:250,000	Raster	200 m
L_1208	USGS	EPA	Meridian 1:250,000 Quad	Census County Subdivision	1:250,000	Vector	
L_1209	USGS	EPA	Meridian 1:250,000 Quad	Federal Land	1:250,000	Vector	
L_1210	USGS	EPA	Meridian 1:250,000 Quad	Hydrologic Units	1:250,000	Vector	
L_1211	USGS	EPA	Meridian 1:250,000 Quad	Land Use/Land Cover	1:250,000	Vector	
L_1212	USGS	EPA	Meridian 1:250,000 Quad	Political Units	1:250,000	Vector	
L_1213	USGS	EPA	Meridian 1:250,000 Quad	State Land	1:250,000	Vector	
L_1214	USGS	EPA	West Point 1:250,000 Quad	Composite Them Grid Format	1:250,000	Raster	200 m
L_1215	USGS	EPA	West Point 1:250,000 Quad	Census County Subdivision	1:250,000	Vector	
L_1216	USGS	EPA	West Point 1:250,000 Quad	Federal Land	1:250,000	Vector	
L_1217	USGS	EPA	West Point 1:250,000 Quad	Hydrologic Units	1:250,000	Vector	
L_1218	USGS	EPA	West Point 1:250,000 Quad	Land Use/Land Cover	1:250,000	Vector	
L_1219	USGS	EPA	West Point 1:250,000 Quad	Political Units	1:250,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_1220	USGS	EPA	West Point 1:250,000 Quad	State Land	1:250,000	Vector	
L_1221	USGS	EPA	Tupelo 1:250,000 Quad	Composite Them Grid Format	1:250,000	Raster	200 m
L_1222	USGS	EPA	Tupelo 1:250,000 Quad	Census County Subdivision	1:250,000	Vector	
L_1223	USGS	EPA	Tupelo 1:250,000 Quad	Federal Land	1:250,000	Vector	
L_1224	USGS	EPA	Tupelo 1:250,000 Quad	Hydrologic Units	1:250,000	Vector	
L_1225	USGS	EPA	Tupelo 1:250,000 Quad	Land Use/Land Cover	1:250,000	Vector	
L_1226	USGS	EPA	Tupelo 1:250,000 Quad	Political Units	1:250,000	Vector	
L_1227	USGS	EPA	Tupelo 1:250,000 Quad	State Land	1:250,000	Vector	
L_1228	USGS	EPA	Jackson 1:250,000 Quad	Composite Them Grid Format	1:250,000	Raster	200 m
L_1229	USGS	EPA	Jackson 1:250,000 Quad	Census County Subdivision	1:250,000	Vector	
L_1230	USGS	EPA	Jackson 1:250,000 Quad	Federal Land	1:250,000	Vector	
L_1231	USGS	EPA	Jackson 1:250,000 Quad	Hydrologic Units	1:250,000	Vector	
L_1232	USGS	EPA	Jackson 1:250,000 Quad	Land Use/Land Cover	1:250,000	Vector	
L_1233	USGS	EPA	Jackson 1:250,000 Quad	Political Units	1:250,000	Vector	
L_1234	USGS	EPA	Jackson 1:250,000 Quad	State Land	1:250,000	Vector	
L_1235	USGS		Brookhaven_E 1:100,000 Quad	DLG	1:100,000	Vector	
L_1236	USGS		Brookhaven_W 1:100,000 Quad	DLG	1:100,000	Vector	
L_1237	USGS		Carthage_E 1:100,000 Quad	DLG	1:100,000	Vector	
L_1238	USGS		Carthage_W 1:100,000 Quad	DLG	1:100,000	Vector	
L_1239	USGS		Corinth_E 1:100,000 Quad	DLG	1:100,000	Vector	
L_1240	USGS		Corinth_W 1:100,000 Quad	DLG	1:100,000	Vector	
L_1241	USGS		Grenada_E 1:100,000 Quad	DLG	1:100,000	Vector	
L_1242	USGS		Grenada_W 1:100,000 Quad	DLG	1:100,000	Vector	
L_1243	USGS		Jackson_E 1:100,000 Quad	DLG	1:100,000	Vector	
L_1244	USGS		Jackson_W 1:100,000 Quad	DLG	1:100,000	Vector	
L_1245	USGS		Kosciusko_E 1:100,000 Quad	DLG	1:100,000	Vector	
L_1246	USGS		Kosciusko_W 1:100,000 Quad	DLG	1:100,000	Vector	
L_1247	USGS		Natchez_E 1:100,000 Quad	DLG	1:100,000	Vector	
L_1248	USGS		Natchez_W 1:100,000 Quad	DLG	1:100,000	Vector	
L_1249	USGS		Tupelo_E 1:100,000 Quad	DLG	1:100,000	Vector	
L_1250	USGS		Tupelo_W 1:100,000 Quad	DLG	1:100,000	Vector	
L_1251	USGS		West Point_E 1:100,000 Quad	DLG	1:100,000	Vector	
L_1252	USGS		West Point_W 1:100,000 Quad	DLG	1:100,000	Vector	

MS_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_1253	USGS		Yazoo City_E 1:100,000 Quad	DLG	1:100,000	Vector	
L_1254	USGS		Yazoo City_W 1:100,000 Quad	DLG	1:100,000	Vector	
L_1255	USGS		Brookhaven 1:100,000 Quad	DRG	1:100,000	Raster	
L_1256	USGS		Jackson 1:100,000 Quad	DRG	1:100,000	Raster	
L_1257	USGS		Kosciusko 1:100,000 Quad	DRG	1:100,000	Raster	
L_1258	USGS		Natchez 1:100,000 Quad	DRG	1:100,000	Raster	
L_1259	USGS		Tupelo 1:100,000 Quad	DRG	1:100,000	Raster	
L_1260	USGS		West Point 1:100,000 Quad	DRG	1:100,000	Raster	
L_1261	USGS		Yazoo City 1:100,000 Quad	DRG	1:100,000	Raster	
L_1262	USGS		Jackson 1:250,000 Quad	DRG	1:250,000	Raster	
L_1263	USGS		Meridian 1:250,000 Quad	DRG	1:250,000	Raster	
L_1264	USGS		Natchez 1:250,000 Quad	DRG	1:250,000	Raster	
L_1265	USGS		Tupelo 1:250,000 Quad	DRG	1:250,000	Raster	
L_1266	USGS		West Point 1:250,000 Quad	DRG	1:250,000	Raster	
L_1267	USGS	FEMA	Claiborne County	Q3 Flood Data	1:24,000	Vector	
L_1268	USGS	FEMA	Hinds County	Q3 Flood Data	1:24,000	Vector	
L_1269	USGS	FEMA	Itawamba County	Q3 Flood Data	1:24,000	Vector	
L_1270	USGS	FEMA	Lee County	Q3 Flood Data	1:24,000	Vector	
L_1271	USGS	FEMA	Madison County	Q3 Flood Data	1:24,000	Vector	
L_1272	USGS		Natchez 1:100,000 Quad	TM-SPOT Composite Imagery	1:100,000	Raster	10 m
L_1273	USGS		Natchez_NE 1:100,000 QuarterQuad	TM-SPOT Composite Imagery	1:100,000	Raster	10 m
L_1274	USGS		Natchez_NW 1:100,000 QuarterQuad	TM-SPOT Composite Imagery	1:100,000	Raster	10 m
L_1275	USGS		Natchez_SE 1:100,000 QuarterQuad	TM-SPOT Composite Imagery	1:100,000	Raster	10 m
L_1276	USGS		Natchez_SW 1:100,000 QuarterQuad	TM-SPOT Composite Imagery	1:100,000	Raster	10 m

TN_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_1277	TSDS	USGS	BELLEVUE	DRG	1:24,000	Raster	
L_1278	TSDS	USGS	COLLINWOOD	DRG	1:24,000	Raster	
L_1279	TSDS	USGS	CYPRESS INN	DRG	1:24,000	Raster	
L_1280	TSDS	USGS	FAIRVIEW	DRG	1:24,000	Raster	
L_1281	TSDS	USGS	GORDONSBURG	DRG	1:24,000	Raster	
L_1282	TSDS	USGS	GREENFIELD BEND	DRG	1:24,000	Raster	
L_1283	TSDS	USGS	HENRYVILLE	DRG	1:24,000	Raster	
L_1284	TSDS	USGS	LEIPERS FORK	DRG	1:24,000	Raster	
L_1285	TSDS	USGS	NEGRO HOLLOW/WAYNESBORO EAST	DRG	1:24,000	Raster	
L_1286	TSDS	USGS	OVILLA	DRG	1:24,000	Raster	
L_1287	TSDS	USGS	PRIMM SPRINGS	DRG	1:24,000	Raster	
L_1288	TSDS	USGS	RIVERSIDE	DRG	1:24,000	Raster	
L_1289	TSDS	USGS	SUNRISE	DRG	1:24,000	Raster	
L_1290	TSDS	USGS	THETA	DRG	1:24,000	Raster	
L_1291	TSDS	USGS	THREE CHURCHES	DRG	1:24,000	Raster	
L_1292	TSDS	USGS	WILLIAMSPORT	DRG	1:24,000	Raster	
L_1293	TSDS	USGS	BELLEVUE_NE	DOQQ	1:12,000	Raster	
L_1294	TSDS	USGS	BELLEVUE_NW	DOQQ	1:12,000	Raster	
L_1295	TSDS	USGS	BELLEVUE_SE	DOQQ	1:12,000	Raster	
L_1296	TSDS	USGS	BELLEVUE_SW	DOQQ	1:12,000	Raster	
L_1297	TSDS	USGS	COLLINWOOD_NE	DOQQ	1:12,000	Raster	
L_1298	TSDS	USGS	COLLINWOOD_NW	DOQQ	1:12,000	Raster	
L_1299	TSDS	USGS	COLLINWOOD_SE	DOQQ	1:12,000	Raster	
L_1300	TSDS	USGS	COLLINWOOD_SW	DOQQ	1:12,000	Raster	
L_1301	TSDS	USGS	CYPRESS INN_NE	DOQQ	1:12,000	Raster	
L_1302	TSDS	USGS	CYPRESS INN_NW	DOQQ	1:12,000	Raster	
L_1303	TSDS	USGS	CYPRESS INN_SE	DOQQ	1:12,000	Raster	
L_1304	TSDS	USGS	CYPRESS INN_SW	DOQQ	1:12,000	Raster	
L_1305	TSDS	USGS	FAIRVIEW_NE	DOQQ	1:12,000	Raster	
L_1306	TSDS	USGS	FAIRVIEW_NW	DOQQ	1:12,000	Raster	
L_1307	TSDS	USGS	FAIRVIEW_SE	DOQQ	1:12,000	Raster	
L_1308	TSDS	USGS	FAIRVIEW_SW	DOQQ	1:12,000	Raster	

TN_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_1309	TSDS	USGS	GORDONSBURG_NE	DOQQ	1:12,000	Raster	
L_1310	TSDS	USGS	GORDONSBURG_NW	DOQQ	1:12,000	Raster	
L_1311	TSDS	USGS	GORDONSBURG_SE	DOQQ	1:12,000	Raster	
L_1312	TSDS	USGS	GORDONSBURG_SW	DOQQ	1:12,000	Raster	
L_1313	TSDS	USGS	GREENFIELD BEND_NE	DOQQ	1:12,000	Raster	
L_1314	TSDS	USGS	GREENFIELD BEND_NW	DOQQ	1:12,000	Raster	
L_1315	TSDS	USGS	GREENFIELD BEND_SE	DOQQ	1:12,000	Raster	
L_1316	TSDS	USGS	GREENFIELD BEND_SW	DOQQ	1:12,000	Raster	
L_1317	TSDS	USGS	HENRYVILLE_NE	DOQQ	1:12,000	Raster	
L_1318	TSDS	USGS	HENRYVILLE_NW	DOQQ	1:12,000	Raster	
L_1319	TSDS	USGS	HENRYVILLE_SE	DOQQ	1:12,000	Raster	
L_1320	TSDS	USGS	HENRYVILLE_SW	DOQQ	1:12,000	Raster	
L_1321	TSDS	USGS	LEIPERS FORK_NE	DOQQ	1:12,000	Raster	
L_1322	TSDS	USGS	LEIPERS FORK_NW	DOQQ	1:12,000	Raster	
L_1323	TSDS	USGS	LEIPERS FORK_SE	DOQQ	1:12,000	Raster	
L_1324	TSDS	USGS	LEIPERS FORK_SW	DOQQ	1:12,000	Raster	
L_1325	TSDS	USGS	NEGRO HOLLOW_NE/WAYNESBORO EAT_NE	DOQQ	1:12,000	Raster	
L_1326	TSDS	USGS	NEGRO HOLLOW_NW/WAYNESBORO EAST_NW	DOQQ	1:12,000	Raster	
L_1327	TSDS	USGS	NEGRO HOLLOW_SE/WAYNESBORO EAST_SE	DOQQ	1:12,000	Raster	
L_1328	TSDS	USGS	NEGRO HOLLOW_SW/WAYNESBORO EAST_SW	DOQQ	1:12,000	Raster	
L_1329	TSDS	USGS	OVILLA_NE	DOQQ	1:12,000	Raster	
L_1330	TSDS	USGS	OVILLA_NW	DOQQ	1:12,000	Raster	
L_1331	TSDS	USGS	OVILLA_SE	DOQQ	1:12,000	Raster	
L_1332	TSDS	USGS	OVILLA_SW	DOQQ	1:12,000	Raster	
L_1333	TSDS	USGS	PRIMM SPRINGS_NE	DOQQ	1:12,000	Raster	
L_1334	TSDS	USGS	PRIMM SPRINGS_NW	DOQQ	1:12,000	Raster	
L_1335	TSDS	USGS	PRIMM SPRINGS_SE	DOQQ	1:12,000	Raster	
L_1336	TSDS	USGS	PRIMM SPRINGS_SW	DOQQ	1:12,000	Raster	
L_1337	TSDS	USGS	RIVERSIDE_NE	DOQQ	1:12,000	Raster	
L_1338	TSDS	USGS	RIVERSIDE_NW	DOQQ	1:12,000	Raster	
L_1339	TSDS	USGS	RIVERSIDE_SE	DOQQ	1:12,000	Raster	
L_1340	TSDS	USGS	RIVERSIDE_SW	DOQQ	1:12,000	Raster	

TN_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_1341	TSDS	USGS	SUNRISE_NE	DOQQ	1:12,000	Raster	
L_1342	TSDS	USGS	SUNRISE_NW	DOQQ	1:12,000	Raster	
L_1343	TSDS	USGS	SUNRISE_SE	DOQQ	1:12,000	Raster	
L_1344	TSDS	USGS	SUNRISE_SW	DOQQ	1:12,000	Raster	
L_1345	TSDS	USGS	THETA_NE	DOQQ	1:12,000	Raster	
L_1346	TSDS	USGS	THETA_NW	DOQQ	1:12,000	Raster	
L_1347	TSDS	USGS	THETA_SE	DOQQ	1:12,000	Raster	
L_1348	TSDS	USGS	THETA_SW	DOQQ	1:12,000	Raster	
L_1349	TSDS	USGS	THREE CHURCHES_NE	DOQQ	1:12,000	Raster	
L_1350	TSDS	USGS	THREE CHURCHES_NW	DOQQ	1:12,000	Raster	
L_1351	TSDS	USGS	THREE CHURCHES_SE	DOQQ	1:12,000	Raster	
L_1352	TSDS	USGS	THREE CHURCHES_SW	DOQQ	1:12,000	Raster	
L_1353	TSDS	USGS	WILLIAMSPORT_NE	DOQQ	1:12,000	Raster	
L_1354	TSDS	USGS	WILLIAMSPORT_NW	DOQQ	1:12,000	Raster	
L_1355	TSDS	USGS	WILLIAMSPORT_SE	DOQQ	1:12,000	Raster	
L_1356	TSDS	USGS	WILLIAMSPORT_SW	DOQQ	1:12,000	Raster	
L_1357	TSDS	USGS	BELLEVUE	DEM	1:24,000	Raster	10 m
L_1358	TSDS	USGS	COLLINWOOD	DEM	1:24,000	Raster	10 m
L_1359	TSDS	USGS	CYPRESS INN	DEM	1:24,000	Raster	10 m
L_1360	TSDS	USGS	FAIRVIEW	DEM	1:24,000	Raster	10 m
L_1361	TSDS	USGS	GORDONSBURG	DEM	1:24,000	Raster	10 m
L_1362	TSDS	USGS	GREENFIELD BEND	DEM	1:24,000	Raster	10 m
L_1363	TSDS	USGS	HENRYVILLE	DEM	1:24,000	Raster	10 m
L_1364	TSDS	USGS	LEIPERS FORK	DEM	1:24,000	Raster	10 m
L_1365	USGS	USGS	NEGRO HOLLOW/WAYNESBORO EAST	DEM	1:24,000	Raster	30 m
L_1366	TSDS	USGS	OVILLA	DEM	1:24,000	Raster	10 m
L_1367	TSDS	USGS	PRIMM SPRINGS	DEM	1:24,000	Raster	10 m
L_1368	TSDS	USGS	RIVERSIDE	DEM	1:24,000	Raster	10 m
L_1369	TSDS	USGS	SUNRISE	DEM	1:24,000	Raster	10 m
L_1370	TSDS	USGS	THETA	DEM	1:24,000	Raster	10 m
L_1371	TSDS	USGS	THREE CHURCHES	DEM	1:24,000	Raster	10 m
L_1372	TSDS	USGS	WILLIAMSPORT	DEM	1:24,000	Raster	10 m

TN_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_1373	USGS	USGS	Bellevue	DLG_Boundaries	1:24,000	Vector	
L_1374	USGS	USGS	Bellevue	DLG_Hydrography	1:24,000	Vector	
L_1375	USGS	USGS	Bellevue	DLG_Hypsography	1:24,000	Vector	
L_1376	USGS	USGS	Bellevue	DLG_Transportation	1:24,000	Vector	
L_1377	USGS		Bellevue	NWI Wetlands	1:24,000	Vector	
L_1378	USGS	USGS	Collinwood	DLG_Boundaries	1:24,000	Vector	
L_1379	USGS	USGS	Collinwood	DLG_Hydrography	1:24,000	Vector	
L_1380	USGS	USGS	Collinwood	DLG_Hypsography	1:24,000	Vector	
L_1381	USGS	USGS	Collinwood	DLG_Transportation	1:24,000	Vector	
L_1382	USGS		Collinwood	NWI Wetlands	1:24,000	Vector	
L_1383	USGS	USGS	Cypress Inn	DLG_Boundaries	1:24,000	Vector	
L_1384	USGS	USGS	Cypress Inn	DLG_Hydrography	1:24,000	Vector	
L_1385	USGS	USGS	Cypress Inn	DLG_Hypsography	1:24,000	Vector	
L_1386	USGS	USGS	Cypress Inn	DLG_Transportation	1:24,000	Vector	
L_1387	USGS		Cypress Inn	NWI Wetlands	1:24,000	Vector	
L_1388	USGS	USGS	Fairview	DLG_Boundaries	1:24,000	Vector	
L_1389	USGS	USGS	Fairview	DLG_Hydrography	1:24,000	Vector	
L_1390	USGS	USGS	Fairview	DLG_Hypsography	1:24,000	Vector	
L_1391	USGS	USGS	Fairview	DLG_Transportation	1:24,000	Vector	
L_1392	USGS		Fairview	NWI Wetlands	1:24,000	Vector	
L_1393	USGS	USGS	Gordonsburg	DLG_Boundaries	1:24,000	Vector	
L_1394	USGS	USGS	Gordonsburg	DLG_Hydrography	1:24,000	Vector	
L_1395	USGS	USGS	Gordonsburg	DLG_Hypsography	1:24,000	Vector	
L_1396	USGS	USGS	Gordonsburg	DLG_Transportation	1:24,000	Vector	
L_1397	USGS		Gordonsburg	NWI Wetlands	1:24,000	Vector	
L_1398	USGS	USGS	Greenfield Bend	DLG_Boundaries	1:24,000	Vector	
L_1399	USGS	USGS	Greenfield Bend	DLG_Hydrography	1:24,000	Vector	
L_1400	USGS	USGS	Greenfield Bend	DLG_Hypsography	1:24,000	Vector	
L_1401	USGS	USGS	Greenfield Bend	DLG_Transportation	1:24,000	Vector	
L_1402	USGS		Greenfield Bend	NWI Wetlands	1:24,000	Vector	
L_1403	USGS	USGS	Henryville	DLG_Boundaries	1:24,000	Vector	
L_1404	USGS	USGS	Henryville	DLG_Hydrography	1:24,000	Vector	

TN_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_1405	USGS	USGS	Henryville	DLG_Hypsography	1:24,000	Vector	
L_1406	USGS	USGS	Henryville	DLG_Transportation	1:24,000	Vector	
L_1407	USGS		Henryville	NWI Wetlands	1:24,000	Vector	
L_1408	USGS	USGS	Leipers Fork	DLG_Boundaries	1:24,000	Vector	
L_1409	USGS	USGS	Leipers Fork	DLG_Hydrography	1:24,000	Vector	
L_1410	USGS	USGS	Leipers Fork	DLG_Hypsography	1:24,000	Vector	
L_1411	USGS	USGS	Leipers Fork	DLG_Transportation	1:24,000	Vector	
L_1412	USGS		Leipers Fork	NWI Wetlands	1:24,000	Vector	
L_1413	USGS	USGS	Negro Hollow/Waynesboro East	DLG_Boundaries	1:24,000	Vector	
L_1414	USGS	USGS	Negro Hollow/Waynesboro East	DLG_Hydrography	1:24,000	Vector	
L_1415	USGS	USGS	Negro Hollow/Waynesboro East	DLG_Hypsography	1:24,000	Vector	
L_1416	USGS	USGS	Negro Hollow/Waynesboro East	DLG_Transportation	1:24,000	Vector	
L_1417	USGS		Negro Hollow/Waynesboro East	NWI Wetlands	1:24,000	Vector	
L_1418	USGS	USGS	Ovilla	DLG_Boundaries	1:24,000	Vector	
L_1419	USGS	USGS	Ovilla	DLG_Hydrography	1:24,000	Vector	
L_1420	USGS	USGS	Ovilla	DLG_Hypsography	1:24,000	Vector	
L_1421	USGS	USGS	Ovilla	DLG_Transportation	1:24,000	Vector	
L_1422	USGS		Ovilla	NWI Wetlands	1:24,000	Vector	
L_1423	USGS	USGS	Primm Springs	DLG_Boundaries	1:24,000	Vector	
L_1424	USGS	USGS	Primm Springs	DLG_Hydrography	1:24,000	Vector	
L_1425	USGS	USGS	Primm Springs	DLG_Hypsography	1:24,000	Vector	
L_1426	USGS	USGS	Primm Springs	DLG_Transportation	1:24,000	Vector	
L_1427	USGS		Primm Springs	NWI Wetlands	1:24,000	Vector	
L_1428	USGS	USGS	Riverside	DLG_Boundaries	1:24,000	Vector	
L_1429	USGS	USGS	Riverside	DLG_Hydrography	1:24,000	Vector	
L_1430	USGS	USGS	Riverside	DLG_Hypsography	1:24,000	Vector	
L_1431	USGS	USGS	Riverside	DLG_Transportation	1:24,000	Vector	
L_1432	USGS		Riverside	NWI Wetlands	1:24,000	Vector	
L_1433	USGS	USGS	Sunrise	DLG_Boundaries	1:24,000	Vector	
L_1434	USGS	USGS	Sunrise	DLG_Hydrography	1:24,000	Vector	
L_1435	USGS	USGS	Sunrise	DLG_Hypsography	1:24,000	Vector	
L_1436	USGS	USGS	Sunrise	DLG_Transportation	1:24,000	Vector	

TN_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_1437	USGS		Sunrise	NWI Wetlands	1:24,000	Vector	
L_1438	USGS	USGS	Theta	DLG_Boundaries	1:24,000	Vector	
L_1439	USGS	USGS	Theta	DLG_Hydrography	1:24,000	Vector	
L_1440	USGS	USGS	Theta	DLG_Hypsography	1:24,000	Vector	
L_1441	USGS	USGS	Theta	DLG_Transportation	1:24,000	Vector	
L_1442	USGS		Theta	NWI Wetlands	1:24,000	Vector	
L_1443	USGS	USGS	Three Churches	DLG_Boundaries	1:24,000	Vector	
L_1444	USGS	USGS	Three Churches	DLG_Hydrography	1:24,000	Vector	
L_1445	USGS	USGS	Three Churches	DLG_Hypsography	1:24,000	Vector	
L_1446	USGS	USGS	Three Churches	DLG_Transportation	1:24,000	Vector	
L_1447	USGS		Three Churches	NWI Wetlands	1:24,000	Vector	
L_1448	USGS	USGS	Williamsport	DLG_Boundaries	1:24,000	Vector	
L_1449	USGS	USGS	Williamsport	DLG_Hydrography	1:24,000	Vector	
L_1450	USGS	USGS	Williamsport	DLG_Hypsography	1:24,000	Vector	
L_1451	USGS	USGS	Williamsport	DLG_Transportation	1:24,000	Vector	
L_1452	USGS		Williamsport	NWI Wetlands	1:24,000	Vector	
L_1453	USGS		Hohenwald_E 1:100,000 Quad	DLG	1:100,000	Vector	
L_1454	USGS		Hohenwald_W 1:100,000 Quad	DLG	1:100,000	Vector	
L_1455	USGS		Murfreesboro_E 1:100,00 Quad	DLG	1:100,000	Vector	
L_1456	USGS		Murfreesboro_W 1:100,000 Quad	DLG	1:100,000	Vector	
L_1457	USGS		Lawrenceburg_E 1:100,000 Quad	DLG	1:100,000	Vector	
L_1458	USGS		Lawrenceburg_W 1:100,000 Quad	DLG	1:100,000	Vector	
L_1459	USGS		Nashville_E 1:100,000 Quad	DLG	1:100,000	Vector	
L_1460	USGS		Nashville_W 1:100,000 Quad	DLG	1:100,000	Vector	
L_1461	USGS		Hohenwald 1:100,000 Quad	DRG	1:100,000	Raster	
L_1462	USGS		Lawrenceburg 1:100,000 Quad	DRG	1:100,000	Raster	
L_1463	USGS		Murfreesboro 1:100,000 Quad	DRG	1:100,000	Raster	
L_1464	USGS		Nashville 1:100,000 Quad	DRG	1:100,000	Raster	
L_1465	USGS		Columbia 1:250,000 Quad	DRG	1:250,000	Raster	
L_1466	USGS	EPA	Columbia 1:250,000 Quad	Composite Them Grid Format	1:250,000	Raster	200 m
L_1467	USGS	EPA	Columbia 1:250,000 Quad	Census County Subdivision	1:250,000	Vector	
L_1468	USGS	EPA	Columbia 1:250,000 Quad	Hydrologic Units	1:250,000	Vector	

TN_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_1469	USGS	EPA	Columbia 1:250,000 Quad	Land Use/Land Cover	1:250,000	Vector	
L_1470	USGS	EPA	Columbia 1:250,000 Quad	Political Units	1:250,000	Vector	
L_1471	USGS		Nashville 1:250,000 Quad	DRG	1:250,000	Raster	
L_1472	USGS	EPA	Nashville 1:250,000 Quad	Composite Them Grid Format	1:250,000	Raster	200 m
L_1473	USGS	EPA	Nashville 1:250,000 Quad	Census County Subdivision	1:250,000	Vector	
L_1474	USGS	EPA	Nashville 1:250,000 Quad	Hydrologic Units	1:250,000	Vector	
L_1475	USGS	EPA	Nashville 1:250,000 Quad	Land Use/Land Cover	1:250,000	Vector	
L_1476	USGS	EPA	Nashville 1:250,000 Quad	Political Units	1:250,000	Vector	
L_1477	USGS		Davidson County, TN	Tiger/Line 2000		Vector	
L_1478	USGS		Davidson County, TN	Tiger/Line 2002		Vector	
L_1479	USGS		Hickman County, TN	Tiger/Line 2000		Vector	
L_1480	USGS		Hickman County, TN	Tiger/Line 2002		Vector	
L_1481	USGS		Lawrence County, TN	Tiger/Line 2000		Vector	
L_1482	USGS		Lawrence County, TN	Tiger/Line 2002		Vector	
L_1483	USGS		Lewis County, TN	Tiger/Line 2000		Vector	
L_1484	USGS		Lewis County, TN	Tiger/Line 2002		Vector	
L_1485	USGS		Maury County, TN	Tiger/Line 2000		Vector	
L_1486	USGS		Maury County, TN	Tiger/Line 2002		Vector	
L_1487	USGS		Wayne County, TN	Tiger/Line 2000		Vector	
L_1488	USGS		Wayne County, TN	Tiger/Line 2002		Vector	
L_1489	USGS		Williamson County, TN	Tiger/Line 2000		Vector	
L_1490	USGS		Williamson County, TN	Tiger/Line 2002		Vector	
L_1491	USGS	FEMA	Davidson County, TN	Q3 Flood Data	1:24,000	Vector	
L_1492	USGS	FEMA	Williamson County, TN	Q3 Flood Data	1:24,000	Vector	
L_1493	USDA/NRCS	NRCS	Wayne County, TN	SSURGO - Soils	1:24,000	Vector	
L_1494	TSDS	NRCS	Wayne County, TN	SSURGO - Soils	1:20,000	Vector	
L_1495	TSDS	TWRA	Davidson County, TN	NWI	1:24,000	Vector	
L_1496	TSDS	TWRA	Hickman County, TN	NWI	1:24,000	Vector	
L_1497	TSDS	TWRA	Lawrence County, TN	NWI	1:24,000	Vector	
L_1498	TSDS	TWRA	Lewis County, TN	NWI	1:24,000	Vector	
L_1499	TSDS	TWRA	Maury County, TN	NWI	1:24,000	Vector	
L_1500	TSDS	TWRA	Wayne County, TN	NWI	1:24,000	Vector	

TN_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_1501	TSDS	TWRA	Williamson County, TN	NWI	1:24,000	Vector	
L_1502	TSDA	USGS/TVA/NRCS	Davidson County, TN	DRG	1:24,000	Raster	
L_1503	TSDA	USGS/TVA/NRCS	Hickman County, TN	DRG	1:24,000	Raster	
L_1504	TSDA	USGS/TVA/NRCS	Lawrence County, TN	DRG	1:24,000	Raster	
L_1505	TSDA	USGS/TVA/NRCS	Lewis County, TN	DRG	1:24,000	Raster	
L_1506	TSDA	USGS/TVA/NRCS	Maury County, TN	DRG	1:24,000	Raster	
L_1507	TSDA	USGS/TVA/NRCS	Wayne County, TN	DRG	1:24,000	Raster	
L_1508	TSDA	USGS/TVA/NRCS	Williamson County, TN	DRG	1:24,000	Raster	
L_1509	TSDA	STCTOLG	Davidson County, TN	Census		Vector	
L_1510	TSDA	STCTOLG	Hickman County, TN	Census		Vector	
L_1511	TSDA	STCTOLG	Lawrence County, TN	Census		Vector	
L_1512	TSDA	STCTOLG	Lewis County, TN	Census		Vector	
L_1513	TSDA	STCTOLG	Maury County, TN	Census		Vector	
L_1514	TSDA	STCTOLG	Wayne County, TN	Census		Vector	
L_1515	TSDA	STCTOLG	Williamson County, TN	Census		Vector	

AL_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_1516	GSA	USGS	Bishop 24K Quad	DRG 24K	1:24,000	Raster	
L_1517	GSA	USGS	Cherokee 24K Quad	DRG 24K	1:24,000	Raster	
L_1518	GSA	USGS	Gadsden 250K Quad	DRG 250K	1:250,000	Raster	
L_1519	GSA	USGS	Margerum 24K Quad	DRG 24K	1:24,000	Raster	
L_1520	GSA	USGS	Threet 24K Quad	DRG 24K	1:24,000	Raster	
L_1521	GSA	USGS	Tuscumbia 100K Quad	DRG 100K	1:100,000	Raster	
L_1522	GSA	USGS	Wright 24K Quad	DRG 24K	1:24,000	Raster	
L_1523	USGS	USGS	Bishop (_NE, _NW, _SE, _SW)	DOQQ	1:12,000	Raster	1 m
L_1524	USGS	USGS	Margerum (_NE, _NW, _SE, _SW)	DOQQ	1:12,000	Raster	1 m
L_1525	CSREES	USGS	Bishop 24K Quad	DEM	1:24,000	Raster	30 m
L_1526	CSREES	USGS	Cherokee 24K Quad	DEM	1:24,000	Raster	30 m
L_1527	CSREES	USGS	Margerum 24K Quad	DEM	1:24,000	Raster	30 m
L_1528	CSREES	USGS	Threet 24K Quad	DEM	1:24,000	Raster	30 m
L_1529	CSREES	USGS	Wright 24K Quad	DEM	1:24,000	Raster	30 m
L_1530	USGS	USGS	Bishop	DLG_Boundaries	1:24,000	Vector	
L_1531	USGS	USGS	Bishop	DLG_Hydrography	1:24,000	Vector	
L_1532	USGS	USGS	Bishop	DLG_Hypsography	1:24,000	Vector	
L_1533	USGS	USGS	Bishop	DLG_Transportation	1:24,000	Vector	
L_1534	USGS	USGS	Cherokee	DLG_Boundaries	1:24,000	Vector	
L_1535	USGS	USGS	Cherokee	DLG_Hydrography	1:24,000	Vector	
L_1536	USGS	USGS	Cherokee	DLG_Hypsography	1:24,000	Vector	
L_1537	USGS	USGS	Cherokee	DLG_Transportation	1:24,000	Vector	
L_1538	USGS	USGS	Margerum	DLG_Boundaries	1:24,000	Vector	
L_1539	USGS	USGS	Margerum	DLG_Hydrography	1:24,000	Vector	
L_1540	USGS	USGS	Margerum	DLG_Hypsography	1:24,000	Vector	
L_1541	USGS	USGS	Margerum	DLG_Public Lands	1:24,000	Vector	
L_1542	USGS	USGS	Margerum	DLG_Transportation	1:24,000	Vector	
L_1543	USGS	USGS	Threet	DLG_Boundaries	1:24,000	Vector	
L_1544	USGS	USGS	Threet	DLG_Hydrography	1:24,000	Vector	
L_1545	USGS	USGS	Threet	DLG_Hypsography	1:24,000	Vector	
L_1546	USGS	USGS	Threet	DLG_Transportation	1:24,000	Vector	
L_1547	USGS	USGS	Wright	DLG_Boundaries	1:24,000	Vector	

AL_Local: by Quarter-Quad, Quad, or County

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
L_1548	USGS	USGS	Wright	DLG_Hydrography	1:24,000	Vector	
L_1549	USGS	USGS	Wright	DLG_Hypsography	1:24,000	Vector	
L_1550	USGS	USGS	Wright	DLG_Transportation	1:24,000	Vector	
L_1551	USGS		Bishop	NWI Wetlands	1:24,000	Vector	
L_1552	USGS		Cherokee	NWI Wetlands	1:24,000	Vector	
L_1553	USGS		Margerum	NWI Wetlands	1:24,000	Vector	
L_1554	USGS		Threet	NWI Wetlands	1:24,000	Vector	
L_1555	USGS		Wright	NWI Wetlands	1:24,000	Vector	
L_1556	USGS	USGS	Tuscumbia_East	DLG 100K	1:100,000	Vector	
L_1557	USGS	USGS	Tuscumbia_West	DLG 100K	1:100,000	Vector	
L_1558	USGS	EPA	Gadsden 250K Quad	Composite Them Grid Format	1:250,000	Raster	200 m
L_1559	USGS	EPA	Gadsden 250K Quad	Census County Subdivision	1:250,000	Vector	
L_1560	USGS	EPA	Gadsden 250K Quad	Hydrologic Units	1:250,000	Vector	
L_1561	USGS	EPA	Gadsden 250K Quad	Land Use/Land Cover	1:250,000	Vector	
L_1562	USGS	EPA	Gadsden 250K Quad	Political Units	1:250,000	Vector	
L_1563	USGS		Colbert County, AL	Tiger/Line 2000		Vector	
L_1564	USGS		Colbert County, AL	Tiger/Line 2002		Vector	
L_1565	USGS		Lauderdale County, AL	Tiger/Line 2000		Vector	
L_1566	USGS		Lauderdale County, AL	Tiger/Line 2002		Vector	

Statewide_MS

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
S_1	USFS	USFS	13 state region (including TN, AL, MS)	LAA - Assessment Projects by watershed		Vector	
S_2	USFS	USFS	13 state region (including TN, AL, MS)	LAA - Assessment Projects by county		Vector	
S_3	USFS	USFS	13 state region (including TN, AL, MS)	LAA - Assessment Projects by ecoregion		Vector	
S_4	USFS	USFS	Mississippi	LAA - Forest Area Density		Raster	30 m
S_5	USFS	USFS	Mississippi	LAA - Forest Area Connectivity		Raster	30 m
S_6	USFS	USFS	Mississippi	LAA - Forest Fragmentation Index		Raster	30 m
S_7	USFS	USFS	Mississippi	LAA - Human Use Index		Raster	30 m
S_8	USFS	USFS	Mississippi	LAA - Land Cover Diversity		Raster	30 m
S_9	USFS	USFS	Mississippi	LAA - Land Cover Contagion		Raster	30 m
S_10	USFS	USFS	Mississippi	LAA - Landscape Pattern Type Index A		Raster	30 m
S_11	USGS	USGS	Mississippi	National Land Cover		raster	30 m
S_12	USGS	USGS	Mississippi	GAP		raster	
S_13	USDA/NRCS	NRCS	Mississippi	STATSGO - Soils	1:250,000	Vector	
S_14	MARIS	MARIS	Mississippi	7.5 minute Quadrangle Grid	1:24,000	Vector	
S_15	MARIS	MARIS	Mississippi	Lat/Long Grid		Vector	
S_16	MARIS	NGS	Mississippi	MS High Accuracy Network Sites		Vector	
S_17	MARIS	USGS	Mississippi	Survey Districts	1:24,000	Vector	
S_18	MARIS	USGS	Mississippi	Townships	1:24,000	Vector	
S_19	MARIS	USBOC	Mississippi	1990 Block Groups	1:100,000	Vector	
S_20	MARIS	USBOC	Mississippi	1990 Block Numbering Areas/Tracts	1:100,000	Vector	
S_21	MARIS	USBOC	Mississippi	2000 Block Groups	1:100,000	Vector	
S_22	MARIS	USBOC	Mississippi	2000 Block Numbering Areas/Tracts	1:100,000	Vector	
S_23	MARIS	USBOC	Mississippi	2000 Blocks	1:100,000	Vector	
S_24	MARIS	USBOC, MSDECD	Mississippi	Abandoned Railroads	1:100,000	Vector	
S_25	MARIS	USBOC, MSDECD	Mississippi	Active Railroads	1:100,000	Vector	
S_26	MARIS	USBOC	Mississippi	Airport Runways	1:100,000	Vector	
S_27	MARIS		Mississippi	County Roads		Vector	
S_28	MARIS	USGS_DLG, MSDOT	Mississippi	Primary Roads	1:100,000	Vector	
S_29	MARIS	USGS_DLG, MSDOT	Mississippi	Secondary Roads	1:100,000	Vector	

Statewide_MS

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
S_30	MARIS		Mississippi	Major Power Company Regions		Vector	
S_31	MARIS	UMS-MSMRI	Mississippi	Natural Gas Pipelines	varies	Vector	
S_32	MARIS	USBOC, USGS_DLG	Mississippi	Transmission Lines	1:100,000	Vector	
S_33	MARIS	MSBCI	Mississippi	Choctaw Indian Boundaries	1:24,000	Vector	
S_34	MARIS	USBOC	Mississippi	County Borders	1:100,000	Vector	
S_35	MARIS	MSIHL	Mississippi	Multi-County Industrial Districts	1:100,000	Vector	
S_36	MARIS	MSDWFP	Mississippi	National Wildlife Refuges	1:100,000	Vector	
S_37	MARIS	MSIHL	Mississippi	Planning and Development Districts	1:100,000	Vector	
S_38	MARIS	MSIHL	Mississippi	Public Service Commission Districts	1:100,000	Vector	
S_39	MARIS		Mississippi	State Outline		Vector	
S_40	MARIS	USACE	Mississippi	US Corps of Engineers Districts	1:100,000	Vector	
S_41	MARIS	MSDWFP	Mississippi	Wildlife Management Areas	1:100,000	Vector	
S_42	MARIS	USDA	Mississippi	Catfish Ponds	1:100,000	Vector	
S_43	MARIS	MSDEQ	Mississippi	Dam Locations	1:24,000	Vector	
S_44	MARIS	DEQ	Mississippi	Detailed Coastline	1:10,000	Vector	
S_45	MARIS		Mississippi	Discharge Elimination Sites		Vector	
S_46	MARIS	USDA_SCS	Mississippi	Hydrologic Units (Basins)	1:250,000	Vector	
S_47	MARIS	USGS_DLG	Mississippi	Intermittent Streams	1:100,000	Vector	
S_48	MARIS	USGS_DLG	Mississippi	Major Rivers	1:100,000	Vector	
S_49	MARIS	USGS_DLG	Mississippi	Mississippi River	1:100,000	Vector	
S_50	MARIS	MSDH	Mississippi	MS Dept. of Health Wells	1:24,000	Vector	
S_51	MARIS		Mississippi	MS Office of Land and Water Resource Permit Wells		Vector	
S_52	MARIS	USGS_DLG	Mississippi	Perennial Streams	1:100,000	Vector	
S_53	MARIS		Mississippi	Polygon Water GT 25 Acres		Vector	
S_54	MARIS		Mississippi	Surface Impoundment Sites		Vector	
S_55	MARIS	USGS	Mississippi	USGS Private Wells	1:24,000	Vector	
S_56	MARIS	USGS	Mississippi	USGS Public Wells	1:24,000	Vector	
S_57	MARIS	MSDECD	Mississippi	Water Development Districts	1:100,000	Vector	
S_58	MARIS	SCS	Mississippi	Watersheds	1:100,000	Vector	
S_59	MARIS	DEQ	Mississippi	Wellhead Protection Areas	1:24,000	Vector	
S_60	MARIS	MSDWFP	Mississippi	Environmentally Sensitive Areas	1:24,000	Vector	
S_61	MARIS	USDA-FS	Mississippi	Historic Forest Boundaries (1820-1920)	1:1,584,000	Vector	

Statewide_MS

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
S_62	MARIS	USDA-SCS	Mississippi	Major Land Resource Areas	1:250,000	Vector	
S_63	MARIS	MSU	Mississippi	MS Forest Habitats	1:500,000	Vector	
S_64	MARIS	MARIS	Mississippi	Physiographic Regions	1:250,000	Vector	
S_65	MARIS	USGS-SCS	Mississippi	Soil Associations	1:250,000	Vector	
S_66	MARIS	MSDEQ	Mississippi	Surface Geology	1:500,000	Vector	
S_67	MARIS		Mississippi	EPA Regulated Facilities		Vector	
S_68	MARIS	TNVA/MSFC	Mississippi	MS Forest Industry Sites	1:24,000	Vector	
S_69	MARIS	USFS	Mississippi	National Forest Boundaries	1:24,000	Vector	
S_70	MARIS	USFS	Mississippi	National Forest Ownership Boundaries	1:24,000	Vector	
S_71	MARIS	USGS	Mississippi	National Parks	1:24,000	Vector	
S_72	MARIS		Mississippi	National Registry Sites		Vector	
S_73	MARIS	DEQ	Mississippi	RCRA Sites	1:24,000	Vector	
S_74	MARIS		Mississippi	Recreational Facilities		Vector	
S_75	MARIS	MSDWFP	Mississippi	State Parks	1:24,000	Vector	
S_76	MARIS	MSEMA	Mississippi	Toxic Release Inventory Sites	1:24,000	Vector	
S_77	MARIS	MARIS	Mississippi	Underground Storage Tanks	1:100,000	Vector	
S_78	MARIS	MSDEQ	Mississippi	Agricultural Chemical Sampling Sites		Vector	
S_79	MARIS	USBOC	Mississippi	Census Block Groups	1:100,000	Vector	
S_80	MARIS	USBOC	Mississippi	Census Block Numbering Areas	1:100,000	Vector	
S_81	MARIS	USGS_DLG	Mississippi	Water Bodies	1:100,000	Vector	
S_82	MARIS	DEQ	Mississippi	Permitted Wells	1:24,000	Vector	
S_83	MARIS	DEQ	Mississippi	Superfund Sites (CERCLA)	1:24,000	Vector	
S_84	MARIS	DEQ	Mississippi	Wastewater Discharge Sites	1:24,000	Vector	
S_85	MARIS	USGS_DLG, MSDOT	Mississippi	County Roads & City Streets	1:100,000	Vector	
S_86	MARIS		Mississippi	Waste Treatment Impoundments		Vector	
S_87	USGS		Mississippi	Cultural Landmarks - lines		Vector	
S_88	USGS		Mississippi	Cultural Landmarks - points		Vector	
S_89	USGS		Mississippi	Populated Places-points		Vector	
S_90	USGS		Mississippi	Populated Places-polygon		Vector	
S_91	USGS	NRCS	Mississippi	STATSGO - Soils		Vector	
S_92	USGS		Mississippi	Physiography- lines		Vector	
S_93	USGS		Mississippi	Hydrography_drainage-network		Vector	

Statewide_MS

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
S_94	USGS		Mississippi	Hydrography_drainage-points		Vector	
S_95	USGS		Mississippi	Hydrography_drainage supplemental-points		Vector	
S_96	USGS		Mississippi	Hydrography_Ocean Features-lines		Vector	
S_97	USGS		Mississippi	Hypsography network		Vector	
S_98	USGS		Mississippi	Hypsography points		Vector	
S_99	USGS		Mississippi	Hypsography Supplemental lines		Vector	
S_100	USGS		Mississippi	Hypsography Supplemental points		Vector	
S_101	USGS		Mississippi	Land Cover - points		Vector	
S_102	USGS		Mississippi	Land Cover - polygons		Vector	
S_103	USGS		Mississippi	Transportation_aeronautical points		Vector	
S_104	USGS		Mississippi	Transportation_railroad-lines		Vector	
S_105	USGS		Mississippi	Transportation_roads-lines		Vector	
S_106	USGS		Mississippi	Transportation_structure-lines		Vector	
S_107	USGS		Mississippi	Utilities-lines		Vector	
S_108	USGS		Mississippi	Vegetation-polygons		Vector	

Statewide_TN

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
S_109	USFS	USFS	13 state region (including TN, AL, MS)	LAA - Assessment Projects by watershed		Vector	
S_110	USFS	USFS	13 state region (including TN, AL, MS)	LAA - Assessment Projects by county		Vector	
S_111	USFS	USFS	13 state region (including TN, AL, MS)	LAA - Assessment Projects by ecoregion		Vector	
S_112	USFS	USFS	Tennessee	LAA - Forest Area Density		Raster	30 m
S_113	USFS	USFS	Tennessee	LAA - Forest Area Connectivity		Raster	30 m
S_114	USFS	USFS	Tennessee	LAA - Forest Fragmentation Index		Raster	30 m
S_115	USFS	USFS	Tennessee	LAA - Human Use Index		Raster	30 m
S_116	USFS	USFS	Tennessee	LAA - Land Cover Diversity		Raster	30 m
S_117	USFS	USFS	Tennessee	LAA - Land Cover Contagion		Raster	30 m
S_118	USFS	USFS	Tennessee	LAA - Landscape Pattern Type Index A		Raster	30 m
S_119	USGS	USGS	Tennessee	National Land Cover		raster	30 m
S_120	USGS	USGS	Tennessee	GAP		raster	
S_121	USDA/NRCS	NRCS	Tennessee	STATSGO - Soils	1:250,000	Vector	
S_122	USGS		Tennessee	Cultural Landmarks - lines	1:100,000	Vector	
S_123	USGS		Tennessee	Cultural Landmarks - points	1:100,000	Vector	
S_124	USGS		Tennessee	Populated Places-points	1:100,000	Vector	
S_125	USGS		Tennessee	Populated Places-polygon	1:100,000	Vector	
S_126	USGS	NRCS	Tennessee	STATSGO - Soils		Vector	
S_127	USGS		Tennessee	Physiography- lines	1:100,000	Vector	
S_128	USGS		Tennessee	Hydrography_drainage-network	1:100,000	Vector	
S_129	USGS		Tennessee	Hydrography_drainage-points	1:100,000	Vector	
S_130	USGS		Tennessee	Hydrography_drainage supplemental-points	1:100,000	Vector	
S_131	USGS		Tennessee	Hypsography network	1:100,000	Vector	
S_132	USGS		Tennessee	Hypsography points	1:100,000	Vector	
S_133	USGS		Tennessee	Hypsography Supplemental lines	1:100,000	Vector	
S_134	USGS		Tennessee	Hypsography Supplemental points	1:100,000	Vector	
S_135	USGS		Tennessee	Land Cover - points	1:100,000	Vector	
S_136	USGS		Tennessee	Land Cover - polygons	1:100,000	Vector	
S_137	USGS		Tennessee	Transportation_aeronautical points	1:100,000	Vector	
S_138	USGS		Tennessee	Transportation_railroad-lines	1:100,000	Vector	
S_139	USGS		Tennessee	Transportation_roads-lines	1:100,000	Vector	
S_140	USGS		Tennessee	Transportation_structure-lines	1:100,000	Vector	

Statewide_TN

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
S_141	USGS		Tennessee	Utilities-lines	1:100,000	Vector	
S_142	USGS		Tennessee	Vegetation-polygons	1:100,000	Vector	
S_143	TSDS	TDOT	Tennessee	County Boundaries	1:24,000	Vector	
S_144	TSDS		Tennessee	City Limits		Vector	
S_145	TSDS	NRCS	Tennessee	Watersheds (12 unit HUCs)		Vector	
S_146	TSDS		Tennessee	Detailed Streams	1:100,000	Vector	
S_147	TSDS		Tennessee	7.5' Quad Grid		Vector	
S_148	TSDS	NRCS	Tennessee	STATSGO - Soils	1:250,000	Vector	
S_149	TSDS	USGS	Tennessee	Generalized Geology	1:250,000	Vector	
S_150	TSDS		Tennessee	Public Lands_TVA Reservoirs		Vector	
S_151	TSDS		Tennessee	Public Lands_National Parks		Vector	
S_152	TSDS		Tennessee	Public Lands_Cherokee National Forest		Vector	
S_153	TSDS		Tennessee	Scenic Rivers		Vector	
S_154	TSDS		Tennessee	Land Cover		Raster	

Statewide_AL

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
S_155	USFS	USFS	13 state region (including TN, AL, MS)	LAA - Assessment Projects by watershed		Vector	
S_156	USFS	USFS	13 state region (including TN, AL, MS)	LAA - Assessment Projects by county		Vector	
S_157	USFS	USFS	13 state region (including TN, AL, MS)	LAA - Assessment Projects by ecoregion		Vector	
S_158	USFS	USFS	Alabama	LAA - Forest Area Density		Raster	30 m
S_159	USFS	USFS	Alabama	LAA - Forest Area Connectivity		Raster	30 m
S_160	USFS	USFS	Alabama	LAA - Forest Fragmentation Index		Raster	30 m
S_161	USFS	USFS	Alabama	LAA - Human Use Index		Raster	30 m
S_162	USFS	USFS	Alabama	LAA - Land Cover Diversity		Raster	30 m
S_163	USFS	USFS	Alabama	LAA - Land Cover Contagion		Raster	30 m
S_164	USFS	USFS	Alabama	LAA - Landscape Pattern Type Index A		Raster	30 m
S_165	USGS	USGS	Alabama	National Land Cover		raster	30 m
S_166	USGS	USGS	Alabama	GAP		raster	
S_167	USDA/NRCS	NRCS	Alabama	STATSGO - Soils	1:250,000	Vector	
S_168	USGS		Alabama	Cultural Landmarks - lines	1:100,000	Vector	
S_169	USGS		Alabama	Cultural Landmarks - points	1:100,000	Vector	
S_170	USGS		Alabama	Populated Places-points	1:100,000	Vector	
S_171	USGS		Alabama	Populated Places-polygon	1:100,000	Vector	
S_172	USGS	NRCS	Alabama	STATSGO - Soils		Vector	
S_173	USGS		Alabama	Physiography- lines	1:100,000	Vector	
S_174	USGS		Alabama	Hydrography_drainage-network	1:100,000	Vector	
S_175	USGS		Alabama	Hydrography_drainage-points	1:100,000	Vector	
S_176	USGS		Alabama	Hydrography_drainage supplemental-points	1:100,000	Vector	
S_177	USGS		Alabama	Hydrography_Ocean Features-lines	1:100,000	Vector	
S_178	USGS		Alabama	Hypsography network	1:100,000	Vector	
S_179	USGS		Alabama	Hypsography points	1:100,000	Vector	
S_180	USGS		Alabama	Hypsography Supplemental lines	1:100,000	Vector	
S_181	USGS		Alabama	Hypsography Supplemental points	1:100,000	Vector	
S_182	USGS		Alabama	Land Cover - points	1:100,000	Vector	
S_183	USGS		Alabama	Land Cover - polygons	1:100,000	Vector	
S_184	USGS		Alabama	Transportation_aeronautical points	1:100,000	Vector	
S_185	USGS		Alabama	Transportation_railroad-lines	1:100,000	Vector	

Statewide_AL

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
S_186	USGS		Alabama	Transportation_roads-lines	1:100,000	Vector	
S_187	USGS		Alabama	Transportation_structure-lines	1:100,000	Vector	
S_188	USGS		Alabama	Utilities-lines	1:100,000	Vector	
S_189	USGS		Alabama	Vegetation-polygons	1:100,000	Vector	
S_190	GSA		Alabama	Counties		Vector	
S_191	GSA		Alabama	Quad Index 7.5'		Vector	
S_192	GSA		Alabama	HUCs (11 digit)		Vector	

Nationwide

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
N_1	TNRIS		Nationwide	USA Boundary			
N_2	TGLO	NPS, WRD	Nationwide	National Parks	1:24,000	Vector	
N_3	USGS	USGS	Nationwide	Geology of the US			
Data below found at: http://mrdata.usgs.gov/sddpftp.html							
N_4	USGS	USGS	Nationwide	Igneous rocks PLUTO		Vector	
N_5	USGS	USGS	Nationwide	NURE Sediment Chemistry		Raster	
N_6	USGS	USGS	Nationwide	Soil Chemistry		Vector	
N_7	USGS	USGS	Nationwide	Soils PLUTO		Vector	
N_8	USGS	USGS	Nationwide	Soils RASS		Vector	
N_9	USGS	USGS	Nationwide	Unconsolidated Sediments PLUTO		Vector	
N_10	USGS	USGS	Nationwide	Unconsolidated Sediments RASS		Vector	
N_11	USGS	USGS	Nationwide	US Geology	1:2,500,000	Raster	1000 m
N_12	USGS	USGS	Nationwide	US Geology [Geologic Faults]	1:2,500,000	Raster	1000 m
N_13	USGS	USGS	Nationwide	US Aeromagnetics		Raster	1000 m
N_14	USGS	USGS	Nationwide	US Bouguer Gravity Field		Raster	4 km
N_15	USGS	USGS	Nationwide	US Isostatic Gravity Field		Raster	4 km
N_16	USGS	USGS	Nationwide	US Magnetics NW Illumination		Raster	2 km
N_17	USGS	USGS	Nationwide	Active Mines and Mineral Plants		Vector	
N_18	USGS	USGS	Nationwide	Mineral Availability System		Vector	
N_19	USGS	USGS	Nationwide	Mineral Resource Data		Vector	
N_20	USGS	USGS	Nationwide	Cities	1:2,000,000	Vector	
N_21	USGS	USGS	Nationwide	Counties		Vector	
N_22	USGS	USGS	Nationwide	Elevated Shaded Relief		Raster	2km
N_23	USGS	USGS	Nationwide	Federal Lands	1:2,000,000 1:250,000	Vector	
N_24	USGS	USGS	Nationwide	Hydrologic Units	1:100,000	Vector	
N_25	USGS	USGS	Nationwide	Hydrology	1:2,000,000	Vector	
N_26	USGS	USGS	Nationwide	Land Cover		Raster	1000 m
N_27	USGS	USGS	Nationwide	Railroads	1:100,000	Vector	
N_28	USGS	USGS	Nationwide	Roads	1:3,000,000	Vector	
N_29	USGS	USGS	Nationwide	Urban Areas		Vector	
N_30	USGS	USGS	Nationwide	USA	1:25,000,000	Vector	
N_31	USGS	USGS	Nationwide	24000 Quadrangle Boundaries		Vector	

Nationwide

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
N_32	USGS	USGS	Nationwide	250000 Quadrangle LU/LC	1:250,000	Vector	
Data below found at: www.epa.gov/mrlc/data.html (a site with helpful links to spatial and non-spatial data, nationwide)							
N_33	NRCS/USDA	NRCS/USDA	Nationwide	Tiger 2002 Road			
N_34	NRCS/USDA	NRCS/USDA	Nationwide	Tiger 2002 Railroad			
N_35	NRCS/USDA	NRCS/USDA	Nationwide	Tiger 2002 hydrography			
N_36	NRCS/USDA	NRCS/USDA	Nationwide	Tiger 2000 water			
N_37	NRCS/USDA	NRCS/USDA	Nationwide	FEMAQ3 Flood Data	1:24,000		
N_38	NRCS/USDA	NRCS/USDA	Nationwide	8-digit hydrologic units	1:250,000		
N_39	NRCS/USDA	NRCS/USDA	Nationwide	DRG County Mosaic by NRCS			
N_40	NRCS/USDA	NRCS/USDA	Nationwide	DRG	1:24,000		
N_41	NRCS/USDA	NRCS/USDA	Nationwide	DRG	1:100,000		
N_42	NRCS/USDA	NRCS/USDA	Nationwide	DRG	1:250,000		
N_43	NRCS/USDA	NRCS/USDA	Nationwide	Quad 1:24,000 map index			
N_44	NRCS/USDA	NRCS/USDA	Nationwide	Quad 1:100,000 map index			
N_45	NRCS/USDA	NRCS/USDA	Nationwide	Quad 1:250,000 map index			
N_46	NRCS/USDA	NRCS/USDA	Nationwide	Quad 1 degree by state map index			
N_47	NRCS/USDA	NRCS/USDA	Nationwide	National Elevation Dataset			
N_48	NRCS/USDA	NRCS/USDA	Nationwide	DEM			
N_49	NRCS/USDA	NRCS/USDA	Nationwide	DOQ County Mosaic by APFO			
N_50	NRCS/USDA	NRCS/USDA	Nationwide	ErMapper Ortho Mosaic by NRCS			
N_51	NRCS/USDA	NRCS/USDA	Nationwide	National Land Cover Dataset by State			
N_52	NRCS/USDA	NRCS/USDA	Nationwide	Soil Survey Geographic (SSURGO) data base			
N_53	NRCS/USDA	NRCS/USDA	Nationwide	Annual Average Precipitation by state			
N_54	NRCS/USDA	NRCS/USDA	Nationwide	Monthly Average Precipitation by state			
N_55	USGS	ESRI	Nationwide	United States			
http://nationalatlas.gov/atlasftp.html							
N_56	NationalAtlas	USDA/NRCS	Nationwide	Average Annual Precipitation	1:2,000,000	Vector	
N_57	NationalAtlas	USGS	Nationwide	Breeding Bird Survey Routes	1:2,000,000	Vector	
N_58	NationalAtlas	USGS	Nationwide	County Boundaries	1:2,000,000	Vector	
N_59	NationalAtlas	USACE	Nationwide	Dams	1:2,000,000	Vector	
N_60	NationalAtlas	USFS	Nationwide	Ecoregions	1:2,000,000	Vector	

Nationwide

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
N_61	NationalAtlas	USFS/USGS	Nationwide	Forest Cover Types	1:2,000,000	Raster	
N_62	NationalAtlas	USGS	Nationwide	Forest Fragmentation Classification	1:2,000,000	Raster	
N_63	NationalAtlas	USEPA/USGS	Nationwide	Forest Fragmentation Causes	1:2,000,000	Raster	1 km
N_64	NationalAtlas	USEPA	Nationwide	Forest Fragmentation Causes	1:2,000,000	Raster	540 m
N_65	NationalAtlas	USEPA	Nationwide	Forest Fragmentation Causes	1:2,000,000	Raster	270 m
N_66	NationalAtlas	USGS	Nationwide	Generalized Geologic Map	1:2,000,000	Vector	
N_67	NationalAtlas	USGS	Nationwide	Hydrologic Unit Boundaries	1:2,000,000	Vector	
N_68	NationalAtlas	USGS	Nationwide	Invasive Species_Zebra Mussels	1:2,000,000	Vector	
N_69	NationalAtlas	USGS	Nationwide	Land Cover Characteristics	1:2,000,000	Raster	
N_70	NationalAtlas	USGS	Nationwide	Land Cover Diversity	1:2,000,000	Raster	
N_71	NationalAtlas	USGS	Nationwide	Mineral Operations_Agriculture	1:2,000,000	Vector	
N_72	NationalAtlas	USGS	Nationwide	Mineral Operations_Construction	1:2,000,000	Vector	
N_73	NationalAtlas	USGS	Nationwide	Mineral Operations_Ferrous Metal Mines	1:2,000,000	Vector	
N_74	NationalAtlas	USGS	Nationwide	Mineral Operations_Ferrous Metals Processing Plants	1:2,000,000	Vector	
N_75	NationalAtlas	USGS	Nationwide	Mineral Operations_Miscellaneous Industrial	1:2,000,000	Vector	
N_76	NationalAtlas	USGS	Nationwide	Mineral Operations_Nonferrous Metal Mines	1:2,000,000	Vector	
N_77	NationalAtlas	USGS	Nationwide	Mineral Operations_Nonferrous Metal Processing Plants	1:2,000,000	Vector	
N_78	NationalAtlas	USGS	Nationwide	Mineral Operations_Refractory, Abrasive, and other Industrial	1:2,000,000	Vector	
N_79	NationalAtlas	USGS	Nationwide	Mineral Operations_Sand and Gravel	1:2,000,000	Vector	
N_80	NationalAtlas	USGS	Nationwide	Mineral Operations_Stone, Crushed	1:2,000,000	Vector	
N_81	NationalAtlas	USGS	Nationwide	NAWQA Surface-Water Sampling Sites	1:2,000,000	Vector	
N_82	NationalAtlas	USGS	Nationwide	North American Bat Ranges	1:2,000,000	Vector	
N_83	NationalAtlas	USGS	Nationwide	Parkways and Scenic Rivers	1:2,000,000	Vector	
N_84	NationalAtlas	USGS	Nationwide	Principal Aquifers	1:2,000,000	Vector	
N_85	NationalAtlas	USGS	Nationwide	Public Land Survey	1:2,000,000	Vector	
N_86	NationalAtlas	USGS	Nationwide	Railroads	1:2,000,000	Vector	
N_87	NationalAtlas	USGS	Nationwide	Realtime Streamflow Stations	1:2,000,000	Vector	
N_88	NationalAtlas	USGS	Nationwide	Roads	1:2,000,000	Vector	
N_89	NationalAtlas	USGS	Nationwide	Shaded Relief of North America	1:2,000,000	Raster	
N_90	NationalAtlas	USGS	Nationwide	States	1:2,000,000	Vector	
N_91	NationalAtlas	USGS	Nationwide	Streams and Waterbodies	1:2,000,000	Vector	
N_92	NationalAtlas	USGS	Nationwide	Wilderness Areas	1:2,000,000	Vector	
N_93	NationalAtlas	USGS	Nationwide	Amphibian Distributions			

Nationwide

ID	Available From	Originator/ Publisher	Location	Data	Scale	Structure	Resolution
N_94	NationalAtlas	USGS	Nationwide	Butterflies			
N_95	NationalAtlas	USDA/NRCS	Nationwide	Invasive Species_Chinese Privet			
N_96	NationalAtlas	USDA/NRCS	Nationwide	Invasive Species_Tallowtree			
N_97	NationalAtlas	USDA/NRCS	Nationwide	Invasive Species_Common Gorse			
N_98	NationalAtlas	USDA/NRCS	Nationwide	Invasive Species_Leafy Spurge			
N_99	NationalAtlas	USDA/NRCS	Nationwide	Invasive Species_Purple Loosestrife			
N_100	NationalAtlas	USGS	Nationwide	Moths			
N_101	NationalAtlas	CDC	Nationwide	West Niles Virus_Human Cases			
N_102	NationalAtlas	CDC	Nationwide	West Niles Virus_Mosquito Surveillance			
N_103	NationalAtlas	CDC	Nationwide	West Niles Virus_Sentinel Flock Surveillance			
N_104	NationalAtlas	CDC	Nationwide	West Niles Virus_Veterinary Cases			
N_105	NationalAtlas	CDC	Nationwide	West Niles Virus_Wild Bird Cases			
N_106	NationalAtlas	CDC	Nationwide	West Niles Virus_Human Cases			
N_107	NationalAtlas	CDC	Nationwide	West Niles Virus_Mosquito Surveillance			
N_108	NationalAtlas	CDC	Nationwide	West Niles Virus_Sentinel Flock Surveillance			
N_109	NationalAtlas	CDC	Nationwide	West Niles Virus_Veterinary Cases			
N_110	NationalAtlas	CDC	Nationwide	West Niles Virus_Wild Bird Cases			
N_111	NationalAtlas	USGS NWHC	Nationwide	Wildlife Mortality_Frequency Data			
N_112	NationalAtlas	USGS NWHC	Nationwide	Wildlife Mortality_Botulism			
N_113	NationalAtlas	USGS NWHC	Nationwide	Wildlife Mortality_Cholera			
N_114	NationalAtlas	USGS NWHC	Nationwide	Wildlife Mortality_Lead Poisoning			
N_115	NationalAtlas	USGS NWHC	Nationwide	Wildlife Mortality_OP/CARB Poisoning			

Databases

ID	Database	Query info down to… park	county	state	other	Who
D_1	Air Quality	yes	no	no		NPS
D_2	Amphibian Counts Database	?	?	?	?	USGS
D_3	ARMI	no	no	no	no	USGS
D_4	BEST_Large River Fish Health	no	no	no	station	USGS
D_5	Bird Point Count Database	?	no	no	Land Unit	USGS
D_6	Breeding Bird Census	?	?	?	?	USGS
D_7	Breeding Bird Survey	no	no	yes	route	USGS
D_8	Butterflies of North America	no	yes	yes		USGS
D_9	Chinese Privet	no	yes	yes		NRCS/USDA
D_10	Christmas Bird Count	?	no	yes	count	Audubon
D_11	Christmas Bird Count	no	no	no	count	USGS
D_12	eBird	no	yes	yes	any location	
D_13	Envirofacts_Air Realeases (AIRS/AFS)		yes	yes	EPA region	EPA
D_14	Envirofacts_Environmental Radiation Ambient Monitoring System (ERAMS)		yes	yes	EPA region	EPA
D_15	Envirofacts_Multisystem Query		yes	yes	EPA region	EPA
D_16	Envirofacts_National Contaminant Occurrence Database (NCOD)		yes	yes	EPA region	EPA
D_17	Envirofacts_Toxic Release Inventory (TRI)		yes	yes	EPA region	EPA
D_18	Envirofacts_UV index		yes	yes	EPA region	EPA
D_19	Envirofacts_Water Discharge Permits (PCS)		yes	yes	EPA region	EPA
D_20	Inventory and Monitoring on National Parks	yes				NPS
D_21	MAPS	no	no	yes	region, station	USGS
D_22	MidWinter Bald Eagle Count	no	no	yes	route	
D_23	Mid-Winter Waterfowl Survey	no	no	yes	flyway, species, year	USFWS
D_24	Migratory Bird Data Center					USFWS/USGS
D_25	NAAMP	no	no	no	route	USGS
D_26	NARCAM	no	yes	no		USGS
D_27	National Atlas of the US					
D_28	NatureServe Explorer	no	no	yes	plant/animal, status	NatureServe
D_29	NBII			yes	lat/long coordinates	USGS
D_30	NBII Bird Conservation node					USGS
D_31	Nonindigenous Aquatic Species (NAS)	no	no	yes	HUCs (2 and 6)	USGS
D_32	NWIS Web Site	no	yes	yes	HUC, Sampling Site	USGS
D_33	NWQA Data Warehouse	no	no	no	study unit basin	USGS

Databases

ID	Database	Query info down to… park	county	state	other	Who
D_34	PLANTS Database	no	no	yes		NRCS/USDA
D_35	Project Feeder Watch	no	no	yes		Cornell Lab of Ornithology
D_36	Waterbird Monitoring Patnership	no	no	no	site_ID	USGS
D_37	Waterfowl Breeding Population and Habitat Survey	no	no	?	species, year, strata	USFWS

NatureBib Maps

NBIB_ID	Author	Year	Title
531252	Adler, Frank J.,	1986	Mid-continent region correlation chart Correlation of stratigraphic units in North America
531029	Amos, D. H.,	1987	Geologic map of the Jackson Quadrangle, Cape Girardeau County, Missouri Miscellaneous Field Studies Map
530817	Anthony, Clyde C. Jr,	1959	The Bluffport Marl Member of the Demopolis Formation in Clay County, Mississippi
503214	Arcement, G. J, , Colson, B. E., and Ming, C. O.,	1979	Backwater at bridges and densely wooded flood plains, Little Bayou de Louter near Truxno, Louisiana Hydrologic Investigations Atlas
531571	Arthur, J. Kerry,	1994	Thickness of the upper and lower confining units of the Mississippi River alluvial aquifer in northwestern Mississippi Water Resources Investigations U S Geological Survey
110955	Baron, Jill	1988	Sediment lead content-bridge
66613	Black, Donald M.	1962	Inventory of geological features
530945	Booth, D. C, and Schmitz, D. W.,	1983	Economic minerals map of Mississippi
531224	Boswell, E. H.,	1976	The lower Wilcox Aquifer in Mississippi Water Resources Investigations
530958	Boswell, E. H.,	1977	The Eutaw-McShan Aquifer in Mississippi U S Geol Surv, Water Resour Invest
531245	Boswell, E. H.,	1976	The Meridian-upper Wilcox Aquifer in Mississippi Water Resources Investigations
531049	Bradley, M. W, and Jonas, Jil,	1981	Geologic, hydrologic, and chemical data from test wells in the Dickson area, Tennessee U S Geological Survey Open file report
530775	Broom, M. E, and Lyford, F. P.,	1981	Alluvial aquifer of the Cache and St Francis River basins, northeastern Arkansas U S Geological Survey Open file report
503477	Carlson, Alane R.,	1986	Surface geology of the Beaverton Quadrangle, Alabama
530977	Carroon, L. E.,	1982	Flood of April 1979 on Pearl River in Jackson, Mississippi, and vicinity Hydrologic Investigations Atlas
531130	Chandler, Robert V, and Moore, James D.,	1991	Hydrogeologic and water quality evalution of storm-water drainage wells, Muscle Shoals area, Alabama Circular Geological Survey of Alabama
503432	Chenoweth, Philip A, and McBride, Melissa Haines,	1984	Principal structural features of Louisiana
531327	Coignet, G. O, , Stanfield, C. P., and McGehee, E. L. Jr,	1973	Oil and gas map of Louisiana
503215	Colson, B. E, , Ming, C. O., and Arcement, G. J.,		Backwater at bridges and densely wooded flood plains, Yockanookany River near Thomastown, Mississippi Hydrologic Investigations Atlas

NatureBib Maps

NBIB_ID	Author	Year	Title
530804	Colson, B. E, , Ming, C. O., and Arcement, G. J.,	1979	Backwater at bridges and densely wooded flood plains, West Fork Amite River near Liberty, Mississippi Hydrologic Investigations Atlas
530803	Colson, B. E, , Ming, C. O., and Arcement, G. J.,	1979	Backwater at bridges and densely wooded flood plains, Lobutcha Creek at Zama, Mississippi Hydrologic Investigations Atlas
530959	Cook, Marlon R.,	1993	The Eutaw Aquifer in Alabama Bulletin Geological Survey of Alabama
531079	Copeland, C. W, and Beg, M. A.,	1979	Geology of the Birmingham, Gadsden, and Montgomery 1 degrees x 2 degrees NTMS quadrangles, Alabama
531424	Copeland, Charles W. J, , Rheams, Katherine F., , Neathery, Thornton L., , Gilliland, William A., , Schmidt, Walter, , Clark, William C. Jr, , Pope, David E., , Richmond, Gerald M., , Fullerton, David S., and Weide, David L.,	1988	Quaternary geologic map of the Mobile 4 degrees by 6 degrees Quadrangle, United States Miscellaneous Investigations Series U S Geological Survey
531606	Darden, Daphne,	1982	Water-level maps of the alluvial aquifer, northwestern Mississippi, April 1982 Water Resources Investigations
531603	Darden, Daphne,	1982	Water-level maps of the alluvial aquifer, northwestern Mississippi, September 1981 U S Geological Survey Open file report
531604	Darden, Daphne,	1983	Water-level maps of the alluvial aquifer, northwestern Mississippi, September 1982 Water Resources Investigations
531387	Darden, Daphne,	1984	Potentiometric map of the Paleozoic aquifer in northeastern Mississippi, November 1982 Water Resources Investigations
531103	Davis, Marvin E.,	1980	Ground-water levels in Alabama for observation wells measured periodically August 1952 through July 1977 Circular Geological Survey of Alabama
530796	Davis, R. W.,	1968	Availability of ground water in the parts of the Arlington and Wickliffe SW quadrangles in Jackson Purchase region, Kentucky Hydrologic Investigations Atlas
530923	DeJarnette, Donald W.,	1986	Directory of underground coal mines in Alabama Circular Geological Survey of Alabama
531219	Emmer, R. E, , Sonnenfeld, R. B., , Davison, A. T., , Autin, P. R., , McCulloh, R. P., and Van, Sickle V. R.,	1983	Louisiana; atlas of flood plains and flooding problems
503467	Gazzier, Conrad A, and Bograd, Michael B. E.,	1988	Structural features of Mississippi
531000	Gilliland, William A, and Harrelson, Danny W.,	1980	General geology and mineral resources of the Braxton Quadrangle, Mississippi Map GQ Mississippi, Department of Natural Resources, Bureau of Geology (GQ 95 SW)

NatureBib Maps

NBIB_ID	Author	Year	Title
531381	Goldsmith, Gala D. S.,	1992	Potentiometric-surface maps of the Ripley and the Paleozoic aquifers in northeastern Mississippi, August through December 1987 Water Resources Investigations
530953	Green, J. W, and Childress, S. C.,	1974	Environmental geology of the Madison, Ridgeland, Jackson, and Jackson SE quadrangles; Hinds, Madison, and Rankin counties, Mississippi Miss Geol, Econ Topogr Surv, Environ Geol Ser
530935	Gustavson, J. B.,	1982	Dyersburg Quadrangle, Illinois, Kentucky, Missouri, and Tennessee
531095	Hall, R. W, , Law, Ronald, , Markewich, William, , Horsey, C. A., , Ward, W. E. II, and Barnett, R. L.,	1981	Geophysical and lithologic logs of 1980-81 coal drilling in the Warrior coal field, Tuscaloosa, Fayette, and Walker counties, Alabama U S Geological Survey Open file report
530795	Hansen, Arnold J. Jr,	1967	Availability of ground water in the Cayce Quadrangle, Jackson Purchase region, Kentucky-Tennessee Hydrologic Investigations Atlas
503211	Hansen, Arnold J. Jr,	1966	Availability of ground water in the Crutchfield Quadrangle, Jackson Purchase region, Kentucky-Tennessee Hydrologic Investigations Atlas
530907	Hayes, Charles Willar, and Ulrich, E. O.,	1903	Description of the Columbia Quadrangle, Tennessee Geological Atlas Folio
530909	Hayes, Charles Willard,	1896	Description of the Gadsden Quadrangle, Alabama Geological Atlas Folio
531481	Hayes, E. C.,	1978	Seven-day flows and flow duration of Alabama streams through 1973
530984	Hedman, E. R, , Skelton, John, and Freiwald, David A.,	1987	Flow characteristics for selected springs and streams in the Ozark subregion, Arkansas, Kansas, Missouri, and Oklahoma Hydrologic Investigations Atlas
531397	Henderson, Kevin S, and Gazzier, Conrad A.,	1989	Preliminary evaluation of coal and coalbed gas resource potential of western Clay County, Mississippi Report of Investigations (Mississippi Bureau of Geology)
530818	Hendricks, J. D, , Keller, G. R., and Hildenbrand, T. G.,	1981	Bouguer gravity map of Arkansas Geophysical Investigations Map
531402	Heyl, A. V, and McKeown, F. A.,		Preliminary seismotectonic map of the central Mississippi Valley and environs U S Geol Surv, Misc Field Stud Map
530765	Hildenbrand, T. G, and Johnson, R. W.,	1977	Aeromagnetic map of the northern Mississippi Embayment, parts of Missouri, Arkansas, Tennessee, and Kentucky U S Geological Survey Open file report
503376	Hildenbrand, T. G, , Kane, M. F., and Stauder, W.,		Magnetic and gravity anomalies in the northern Mississippi Embayment and their spacial relation to seismicity U S Geol Surv, Misc Field Stud Map

NatureBib Maps

NBIB_ID	Author	Year	Title
530819	Hildenbrand, T. G, , Ervin, C. P., , Hendricks, J., , Keller, G. R., , McGinnis, L. D., and Stearns, R. G.,	1977	Bouguer gravity map of the northern Mississippi Embayment, parts of Missouri, Arkansas, Tennessee, Kentucky, and Illinois U S Geological Survey Open file report
531101	Hildenbrand, T. G, , Ervin, C. P., , Hendricks, J., , Keller, G. R., , McGinnis, L. D., and Stearns, R. G.,	1977	Gravity station locations of the northern Mississippi Embayment, parts of Missouri, Arkansas, Tennessee, Kentucky, and Illinois U S Geological Survey Open file report
531488	Hildenbrand, T. G, , Kucks, R. P., , Hendricks, J. D., and Kane, M. F.,	1979	Simple Bouguer gravity map of the Memphis 1 degrees by 2 degrees quadrangle, Arkansas and Tennessee U S Geological Survey Open file report
531487	Hildenbrand, T. G, , Kucks, R. P., and Kane, M. F.,	1979	Simple Bouguer gravity map of the Blytheville 1 degrees by 2 degrees quadrangle, Tennessee and Arkansas U S Geological Survey Open file report
531006	Hinkle, F, and Sexton, T. A.,	1985	Generalized map of crude oil, petroleum products, and material gas transmission lines in Alabama
530919	Hippensteel, David Lee,	1988	Diagenesis, facies development, and depositional environment of the lower Tuscaloosa Formation, Thompson Field, Amite County, Mississippi
530918	Hopper, Jack T. Jr,	1988	Diagenesis and porosity development of lower Tuscaloosa sandstones in Wilkinson and Amite counties, Mississippi, and St Helena Parish, Louisiana
531492	Huddleston, Jerry S.,	1990	Soil survey of Carroll County, Mississippi
531171	Hughes, R. J. Jr,	1958	Kemper County geology Miss State Geol Surv, Bull
531646	Imes, J. L, and Davis, J. V.,	1991	Water type and concentration of dissolved solids, chloride, and sulfate in water from the Ozark Aquifer in Missouri, Arkansas, Kansas, and Oklahoma Hydrologic Investigations Atlas
531230	Imes, J. L.,	1990	Major geohydrologic units in and adjacent to the Ozark Plateaus Province, Missouri, Arkansas, Kansas, and Oklahoma; St Francois confining unit Hydrologic Investigations Atlas
503501	Johnson, R. W. J, , Haygood, C., and Kunselman, P. M.,	1979	West-central Sheet Aeromagnetic map of Tennessee; Residual total intensity aeromagnetic map of Tennessee
531653	Johnson, R. W. J, , Haygood, C., and Kunselman, P. M.,	1979	West Sheet Aeromagnetic map of Tennessee; Residual total intensity aeromagnetic map of Tennessee
530934	Jones, P. L.,	1979	Dyersburg 1 degrees x2 degrees NTMS area, Kentucky, Missouri, Tennessee, and Illinois, data release, National Uranium Resource Evaluation Program, hydrogeochemical and stream sediment reconnaissance
531234	Ketner, K. B.,	1979	Map showing high-purity silica sand of Middle Ordovician age in the Midwestern States Miscellaneous Field Studies Map

NatureBib Maps

NBIB_ID	Author	Year	Title
531002	Kidd, J. T.,	1980	General geology, geophysics, and seismicity of Northwest Alabama
503210	Lambert, T. W.,	1967	Availability of ground water in parts of the New Madrid SE Hubbard Lake, and Bon durant quadrangles, Jackson Purchase region, Kentucky-Tennessee Hydrologic Investigations Atlas
503424	Lamonds, Andrew G, and Kernodle, John Michael,	1984	Potential ground-water level changes in the Mississippi River alluvial aquifer in response to proposed navigation improvements on the Yazoo River in Mississippi Water Resources Investigations
531094	Law, Ronal, , Hall, R. W., , Tiblin, P. K., and Horsey, C. A.,	1981	Geophysical and lithologic logs of 1979 coal drilling in the Warrior coal field, Tuscaloosa, Fayette, Walker, and Marion counties, Alabama U S Geological Survey Open file report
531231	Lines, J. L.,	1989	Major geohydrologic units in and adjacent to the Ozark Plateaus Province, Missouri, Arkansas, Kansas, and Oklahoma; basement confining unit Hydrologic Investigations Atlas
531427	Marvin, R. F.,	1988	Radiometric ages of basement rocks in the northern Midcontinent, U SA Miscellaneous Field Studies Map
530808	May, V. Jeff,	1985	Base-flow characteristics of segments of the Piney River, and East and West Piney rivers U S Geological Survey Open file report
503464	Meissner, C. R. J, , Hackman, B. S., and Ossi, J. C.,	1982	Stratigraphic framework and distribution of lignite along the Wilcox Group outcrop belt, Mississippi U S Geological Survey Open file report
531264	Miller, R. A, , Fagan, J. M., , Hale, R. C., , Hardeman, W. D., and Johnson, R. W.,	1970	Mineral resources of the Tennessee Valley region
531423	Miller, R. A, , Maher, S. W., , Copeland, C. W. Jr, , Rheams, Karen F., , Neathery, T. L., , Gilliland, W. A., , Friddell, M. S., , Van, Nostrand Amy K., , Wheeler, W. H., , Holbrook, D. F., , Bush, W. V., , Richmond, G. M., and Fullerton, D.	1988	Quaternary geologic map of the Lookout Mountain 4 degrees X 6 degrees Quadrangle, United States Miscellaneous Investigations Series US Geological Survey Prepared in cooperation with Geological Survey of Alabama, Tennessee Division of Geology, Georgia Geo
530954	Miller, R. A.,	1980	Environmental geology summary of the Bellevue Quadrangle, Tennessee
530863	Moffett, T. B, , Hinkle, Frank, , Epsman, M. L., and Wilson, G. V.,	1984	Configuration of the top of the Selma Group in Alabama Map Geological Survey of Alabama
530864	Moffett, T. B, , Hinkle, F., , Epsman, M. L., , Wilson, G. V., and Moore, J. D.,	1984	Configuration of the top of the Tuscaloosa Group in Alabama 199C
531104	Moore, J. D.,	1984	Ground-water levels in Alabama; 1981 water year; (October 1, 1980-September 30, 1981) Circular Geological Survey of Alabama
503490	Moore, James D.,	1987	Water in Alabama, 1986 Circular Geological Survey of Alabama

NatureBib Maps

NBIB_ID	Author	Year	Title
531614	Moore, James D.,	1987	Water in Alabama, 1987 Circular Geological Survey of Alabama
531558	Mooty, Will S.,	1985	Summary of selected water-quality data for the Warrior coal field, Alabama U S Geological Survey Open file report
47333	National Flood Insurance Program, Federal Emergency Management Agency,		FIRM Flood Insurance Rate Map
114488	National Park Service,	1950	Soil & moisture conservation
82429	National Park Service,	1985	Natural & cultural resources/trail plan
82431	National Park Service,	1987	Natural & cultural resources/trail plan
82573	National Park Service,		Natural history map
106372	National Park Service,	1986	Resources analysis & high potential segments
69987	National Park Service,		Land use and maintenance plan, Section __ Natchez Trace Parkway
82428	National Park Service,	1985	Natural & cultural resources/trail plan
114495	National Park Service,	1953	Soil & moisture conservation
114497	National Park Service,	1953	Soil & moisture conservation
106371	National Park Service,	1985	Resources analysis & high potential segments
82430	National Park Service,	1985	Natural & cultural resources/trail plan
106373	National Park Service,	1987	Resources analysis & high potential segments
531512	Newcome, Roy Jr,	1976	The Sparta aquifer system in Mississippi Water Resources Investigations
531178	No author,	1978	Land use and land cover and associated maps for Greenwood, Mississippi, Arkansas (Mississippi portion only) U S Geological Survey Open file report
530766	No author,	1980	Airborne gamma-ray spectrometer and magnetometer survey; Birmingham Quadrangle (Alabama); Gadsden Quadrangle (Alabama, Tennessee); final report
503368	No author,	1980	Land use and land cover, 1973, Dyersburg, Tennessee; Illinois; Kentucky; Missouri Land Use Land Cover Maps, L Ser
530764	No author,	1979	Aerial radiometric and magnetic reconnaissance survey of portions of Arkansas, Illinois, Indiana, Kentucky, Missouri, and Tennessee, Dyersburg, Paducah, Poplar Bluff, and Rolla quadrangles; final report
503364	No author,	1977	Land use and land cover and associated maps for Hattiesburg, Mississippi, Alabama (Alabama portion only) U S Geological Survey Open file report
503366	No author,	1977	Land use and land cover and associated maps for Tupelo, Alabama portion only U S Geological Survey Open file report

NatureBib Maps

NBIB_ID	Author	Year	Title
503425	No author,	1983	Potentiometric-level monitoring program; Mississippi and Louisiana; annual status report for fiscal year 1982 ONWI (Battelle Memorial Institute, Office of Nuclear Waste Isolation)
503365	No author,	1977	Land use and land cover and associated maps for Meridian, Mississippi, Alabama (Alabama portion only) U S Geological Survey Open file report
530763	No author,	1980	Aerial gamma ray and magnetic survey, Mississippi and Florida airborne survey, Helena Quadrangle of Arkansas, Mississippi and Tennessee; final report
530761	No author,	1980	Aerial gamma ray and magnetic survey, Mississippi and Florida airborne survey, Columbia Quadrangle, Tennessee and Alabama; final report
530771	No author,	1974	Alabama Hydrologic Unit Maps
530759	No author,	1980	Aerial gamma ray and magnetic survey, Mississippi and Florida survey, Meridian Quadrangle of Mississippi and Alabama; final report
530758	No author,	1980	Aerial gamma ray and magnetic survey, Mississippi and Florida airborne survey, Tupelo Quadrangle, Mississippi, Alabama, and Tennessee; final report
530757	No author,	1980	Aerial gamma ray and magnetic survey, Mississippi and Florida airborne survey, Nashville Quadrangle, Tennessee and Kentucky; final report
530756	No author,	1980	Aerial gamma ray and magnetic survey, Mississippi and Florida airborne survey, Blytheville Quadrangle, Tennessee, Arkansas, Alabama, and Missouri; final report
530760	No author,	1980	Aerial gamma ray and magnetic survey, Mississippi and Florida survey, West Point Quadrangle of Mississippi and Alabama; final report
530762	No author,	1980	Aerial gamma ray and magnetic survey, Mississippi and Florida airborne survey, Natchez Quadrangle of Mississippi and Louisiana; final report
531196	No author,	1982	Land use and land cover, 1972-76, Alabama; Tennessee Land Use and Land Cover Maps
531186	No author,	1978	Land use and land cover and associated maps for Natchez, Mississippi, Louisiana U S Geological Survey Open file report
531187	No author,	1980	Land use and land cover and associated maps for Natchez, Mississippi, Louisiana (United States Geological Survey 1978) 3 Open file report
531188	No author,	1978	Land use and land cover and associated maps for Tupelo, Mississippi, Alabama, Tennessee U S Geological Survey Open file report
531189	No author,	1977	Land use and land cover and associated maps for West Point, Mississippi, Alabama (Alabama portion only) U S Geological Survey Open file report
531190	No author,	1978	Land use and land cover and associated maps for West Point, Mississippi, Alabama U S Geological Survey Open file report

NatureBib Maps

NBIB_ID	Author	Year	Title
531191	No author,	1977	Land use and land cover associated maps for Gadsden, Alabama U S Geological Survey Open file report
531192	No author,	1980	Land use and land cover, 1972-74, Tupelo, Mississippi; Alabama; Tennessee Land Use Land Cover Maps, L Ser
531185	No author,	1978	Land use and land cover and associated maps for Meridian, Mississippi, Alabama U S Geological Survey Open file report
531176	No author,	1981	Land use and land cover and associated maps for Columbia, Tennessee, Alabama U S Geological Survey Open file report
531193	No author,	1982	Land use and land cover, 1972-75, Birmingham, Alabama Land Use and Land Cover Maps
531197	No author,	1983	Land use and land cover, 1973, Blytheville, Arkansas; Tennessee; Alabama; Missouri Land Use and Land Cover Maps
531198	No author,	1979	Land use and land cover, 1973, Natchez, Mississippi; Louisiana Land Use and Land Cover Maps
531215	No author,	1980	Louisiana salt domes
503202	No author,	1980	Aerial gamma ray and magnetic survey, Mississippi and Florida airborne survey, Jackson Quadrangle of Mississippi and Louisiana; final report
503201	No author,	1980	Aerial gamma ray and magnetic survey, Mississippi and Florida airborne survey, Greenwood Quadrangle of Mississippi, Arkansas and Louisiana; final report
531380	No author,	1986	Potentiometric-level monitoring program; Mississippi and Louisiana; annual status report for fiscal year 1985 ONWI (Battelle Memorial Institute, Office of Nuclear Waste Isolation)
531641	No author,	1979	Water resources development by the U S Army Corps of Engineers in Arkansas
531194	No author,	1980	Land use and land cover, 1972-75, Hattiesburg, Mississippi; Alabama; Louisiana Land Use Land Cover Maps, L Ser
503367	No author,	1980	Land use and land cover, 1972-74, West Point, Mississippi; Alabama Land Use Land Cover Maps, L Ser
531184	No author,	1980	Land use and land cover and associated maps for Jackson, Mississippi, Louisiana U S Geological Survey Open file report
531183	No author,	1978	Land use and land cover and associated maps for Jackson, Mississippi, Louisiana (Mississippi portion only) U S Geological Survey Open file report
531174	No author,	1977	Land use and land cover and associated maps for Birmingham, Alabama U S Geological Survey Open file report
531182	No author,	1986	Land use and land cover and associated maps for Helena, Arkansas; Mississippi; Tennessee U S Geological Survey Open file report

NatureBib Maps

NBIB_ID	Author	Year	Title
531181	No author,	1978	Land use and land cover and associated maps for Helena, Arkansas, Mississippi, Tennessee (Mississippi, Tennessee portion only) U S Geological Survey Open file report
531180	No author,	1978	Land use and land cover and associated maps for Hattiesburg, Mississippi, Alabama, Louisiana U S Geological Survey Open file report
531179	No author,	1986	Land use and land cover and associated maps for Greenwood, Mississippi; Arkansas; Louisiana U S Geological Survey Open file report
531177	No author,	1977	Land use and land cover and associated maps for Dyersburg, Tennessee, Kentucky, Missouri, and Illinois U S Geological Survey Open file report
531175	No author,	1977	Land use and land cover and associated maps for Blytheville, Tennessee, Arkansas, Alabama, and Missouri U S Geological Survey Open file report
531195	No author,	1980	Land use and land cover, 1972-75, Meridian, Mississippi; Alabama Land Use Land Cover Maps, L Ser
531008	O'Donnell, S. R, and Horsey, C. A.,	1981	Geochemical results of 1979 coal drilling in the Warrior coal field, Tuscaloosa, Fayette, Walker, and Marion counties, Alabama U S Geological Survey Open file report
531233	Overbey, C. A.,	1983	Map of Alabama and South Carolina gold
531014	Payne, J. N.,	1975	Geohydrologic significance of lithofacies of the Carrizo Sand of Arkansas, Louisiana, and Texas and the Meridian Sand of Mississippi U S Geological Survey Professional Paper
530928	Pettijohn, R. A.,	1988	Dissolved-solids concentrations and primary water types, Gulf Coast aquifer systems, south-central United States Hydrologic Investigations Atlas
531199	Pomeroy, J. S.,	1982	Landslides and related features, Alabama and Tennessee; Gadsden 1 degrees by 2 degrees sheet U S Geological Survey Open file report
531425	Pope, D. E, , Gilliland, W. A., , Wermund, E. G., , Richmond, G. M., , Weide, D. L., and Moore, D. W.,	1990	Quaternary geologic map of the White Lake 4 degrees X 6 degrees Quadrangle, United States Miscellaneous Investigations Series US Geological Survey
531165	Pratt, Walden P.,	1987	Isopach and lithofacies map of the Sauk Sequence (excluding basal clastics) in the northern Midcontinent, U SA Miscellaneous Field Studies Map
531551	Reid, J. Barry,	1981	A subsurface study of the Monteagle Limestone; Northeast Tennessee

NatureBib Maps

NBIB_ID	Author	Year	Title
531235	Rhea, B. Susa, and Wheeler, R. L.,	1994	Map showing large structures interpreted from geophysical data in the vicinity of New Madrid, Missouri Miscellaneous Field Studies Map U S Geological Survey
531237	Rhea, B. Susa, , Wheeler, R. L., and Tarr, A. C.,	1994	Map showing seismicity and sandblows in the vicinity of New Madrid, Missouri Miscellaneous Field Studies Map U S Geological Survey
531236	Rhea, Susan B, and Wheeler, R. L.,	1994	Map showing locations of geophysical survey and modeling lines in the vicinity of New Madrid, Missouri Miscellaneous Field Studies Map U S Geological Survey
531559	Richter, K. E, and Gillett, B.,	1986	Surface water in Alabama; 1984 water year (October 1, 1983-September 30, 1984) Circular Geological Survey of Alabama
530809	Ryals, G. N.,	1980	Base of fresh ground water, northern Louisiana salt-dome basin and vicinity, northern Louisiana and southern Arkansas U S Geological Survey Open file report
531390	Ryals, G. N.,	1980	Potentiometric maps of the Sparta Sand, northern Louisiana and southern Arkansas, 1900, 1965, 1975, and 1980 U S Geological Survey Open file report
531438	Ryals, G. N.,	1983	Regional geohydrology of the northern Louisiana salt-dome basin; Part IV, Hydraulic characteristics of the Wilcox-Carrizo Aquifer Water Resources Investigations
503287	Snead, J. I, and McCulloh, R. P.,	1984	Geologic map of Louisiana
531656	Spiers, C. A.,	1977	The Winona-Tallahatta Aquifer in Mississippi Water Resources Investigations
530853	Spiers, C. A.,	1977	The Cockfield Aquifer in Mississippi Water Resources Investigations
531107	Stephenson, L. W, , Logan, W. N., and Waring, G. A.,	1928	The ground-water resources of Mississippi U S Geol Surv, Water Supply Pap
531478	Stover, C. W, , Reagor, B. G., and Algermissen, S. T.,	1979	Seismicity of map of the State of Mississippi Miscellaneous Field Studies Map
531477	Stover, C. W, , Reagor, B. G., and Algermissen, S. T.,		Seismicity map of the State of Louisiana U S Geol Surv, Misc Field Stud Map
531476	Stover, C. W, , Reagor, B. G., and Algermissen, S. T.,	1979	Seismicity map of the State of Louisiana U S Geol Surv, Misc Field Stud Map
531475	Stover, C. W, , Reagor, B. G., and Algermissen, S. T.,	1979	Seismicity map of the State of Arkansas U S Geol Surv, Misc Field Stud Map
531474	Stover, C. W, , Reagor, B. G., and Algermissen, S. T.,	1979	Seismicity map of the State of Arkansas U S Geol Surv, Misc Field Stud Map

NatureBib Maps

NBIB_ID	Author	Year	Title
503453	Stover, C. W, , Reagor, B. G., and Algermissen, S. T.,	1979	Seismicity map of the State of Alabama U S Geol Surv, Misc Field Stud Map
531016	Sumner, D. M, and Wasson, B. E.,	1984	Geohydrology and simulated effects of large ground-water withdrawals on the Mississippi River alluvial aquifer in northwestern Mississippi U S Geological Survey Open file report
531605	Sumner, D. M.,	1985	Water-level maps of the alluvial aquifer, northwestern Mississippi, September 1983 Water Resources Investigations
531602	Sumner, David M.,	1984	Water-level maps of the alluvial aquifer, northwestern Mississippi Water Resources Investigations
531065	Szabo, M. W.,	1975	Geology and mineral resources of the Tuscumbia Quadrangle, Alabama Quadrangle Series Geological Survey of Alabama
531064	Szabo, M. W.,	1975	Geology and mineral resources of the Pride Quadrangle, Alabama Quadrangle Series Geological Survey of Alabama
531019	Szabo, Michael W, , Osborne, W. Edward, , Copeland, Charles W. Jr, and Neathery, Thornton Lee,	1988	Geologic map of Alabama Special Map Geological Survey of Alabama
531200	Thomas, R. E.,	1982	Landslides and related features, Tennessee; Columbia 1 degrees by 2 degrees sheet U S Geological Survey Open file report
129009	Various Photographers,	1976	Untitled: Aerial photographs held at the Technical Information Center, Denver Service Center
531648	Vestal, F. E.,	1952	Webster County geology Miss State Geol Surv, Bull
531240	Wallace, L. G, and de., Witt Wallace Jr,		Maps showing selected deep wells drilled for oil or gas in the Appalachian Basin Miscellaneous Investigations Series U S Geological Survey
531389	Wasson, B. E.,	1980	Potentiometric map of the Winona-Tallahatta Aquifer in northwestern Mississippi, fall 1979 U S Geological Survey Open file report
503426	Wasson, B. E.,	1980	Potentiometric map of the Meridian-upper Wilcox aquifer in Mississippi, fall 1979 U S Geological Survey Open file report
531382	Wasson, B. E.,	1979	Potentiometric map of Paleozoic aquifer in northeastern Mississippi, October and November 1978 Water Resources Investigations
531388	Wasson, B. E.,	1979	Potentiometric map of the Ripley Aquifer in northeastern Mississippi, October and November 1978 U S Geological Survey Open file report
531386	Wasson, B. E.,	1980	Potentiometric map of the Lower Wilcox Aquifer in Mississippi, fall 1979 U S Geological Survey Open file report

NatureBib Maps

NBIB_ID	Author	Year	Title
531385	Wasson, B. E.,	1979	Potentiometric map of the Gordo Aquifer in northeastern Mississippi, September, October, and November 1978 U S Geological Survey Open file report
531384	Wasson, B. E.,	1979	Potentiometric map of the Eutaw-McShan Aquifer in northeastern Mississippi, September, October, and November 1978 U S Geological Survey Open file report
531383	Wasson, B. E.,	1979	Potentiometric map of the Coffee Sand Aquifer in northeastern Mississippi, October and November 1978 U S Geological Survey Open file report
503349	Wells, F. C.,	1980	Hydrology and water quality of the lower Mississippi River
503381	Wheeler, R. L, , Rhea, B. Susan, and Dart, R. L.,	1994	Map showing structure of the Mississippi Valley Graben in the vicinity of New Madrid, Missouri Miscellaneous Field Studies Map U S Geological Survey
531238	Wheeler, R. L, and Rhea, B. Susan,	1994	Map showing surficial and hydrologic features in the vicinity of New Madrid, Missouri Miscellaneous Field Studies Map U S Geological Survey
53199	Wilson, C. W.		Geologic Map of Central Tennessee
531266	Wilson, C. W. J, and Ferguson, C. C.,	1979	Mineral resources summary of the Coble Quadrangle, Tennessee Mineral Resources Summary Tennessee, Division of Geology (MRS 40 SW)
531271	Wilson, C. W. Jr,	1983	Mineral resources summary of the Spot Quadrangle, Tennessee Mineral Resources Summary Tennessee, Division of Geology
531269	Wilson, C. W. Jr,	1979	Mineral resources summary of the Lowryville Quadrangle, Tennessee Mineral Resources Summary Tennessee, Division of Geology (MRS 24 SE)
531265	Wilson, Charles W. J, and Miller, Robert A.,	1979	Mineral resources summary of the Bellevue Quadrangle, Tennessee Mineral Resources Summary Tennessee, Division of Geology (308 SW)
531270	Wilson, Charles W. Jr,	1988	Mineral resources summary of the Pleasantville Quadrangle, Tennessee Mineral Resources Summary Tennessee, Division of Geology
531076	Wilson, Charles W. Jr,	1991	The geology of Nashville, Tennessee Bulletin Tennessee, Division of Geology
531031	Wilson, Charles W. Jr,	1986	The geologic map of the Lobelville Quadrangle, Tennessee 31 SE
531268	Wilson, Charles W. Jr,	1986	Mineral resources summary of the Lobelville Quadrangle, Tennessee Mineral Resources Summary Tennessee, Division of Geology
530978	Wilson, Kenneth V.,	1972	Floods in Jackson Quadrangle, Mississippi

Abbreviations	Definition	website
BIA	Bureau of Indian Affairs	
BTS	US Dept of Transportation (USDOT), Bureau of Transportation Statistics	
CIR	Color Infra-Red	
CSREES	Alabama Water Quality Program	http://www.aces.edu/waterquality/gis_data/gis_data.htm
CTG	Composite Theme Grid	
DEM	Digital Elevation Model	
DEQ	Department of Environmental Quality	
DLG	Digital Line Graph	
DOQQ	Digital Ortho Quarter Quadrangle	
DRG	Digital Raster Graphics	
EMAP	Environmental Monitoring and Assessment Program	
EOSAT	Space Imaging Earth Observation Satellite Company	
EPA	Environmental Protection Agency	
FAA	Federal Aviation Administration	
FCC	Federal Communications Commission	
FEMA	Federal Emergency Management Agency	
GAP	Gap Analysis Program	http://www.gap.uidaho.edu/
GIRAS	Geographic Information Retrieval and Analysis System	
GRS	Geographic Reference System	
GSA	Geological Survey of Alabama	http://www.gsa.state.al.us/gsa/GIS/GISHOME.html
LAA	Landscape Analysis and Assessment	http://www.srs.fs.usda.gov/4803/landscapes/index.html
LIDAR	Light Detection and Ranging	http://www.csc.noaa.gov/cgi-bin/crs/tcm/ldart_start.pl
LP DAAC	Land Processes Distributed Active Archive Center	
LULC	Land Use/Land Cover	
MARIS	Mississippi Automated Resource Information System	http://www.maris.state.ms.us/HTM/about.htm
MODIS	Moderate Resolution Imagery Spectroradiometer	
MSBCI	MS Band of Choctaw Indians	
MSDECD	MS Department of Economic and Community Development	
MSDH	MS Department of Health	
MSDOT	MS Department of Transportation	
MSDWFP	MS Department of Wildlife, Fisheries, and Parks	
MSEMA	MS Emergency Management Agency	
MSFC	MS Forestry Commission	

Abbreviations	Definition	website
MSIHL	Mississippi Institution of Higher Learning	
MSMRI	MS Mineral Resources Institute	
MSPUS	MS Public Utility Staff	
MSTM	Mississippi Transverse Mercator	
MSU	Mississippi State University	
NCDC	National Climatic Data Center	
NED	National Elevation Dataset	
NGS	National Geodetic Survey	
NHD	National Hydrography Dataset	http://nhd.usgs.gov/data.html
NLCD	National Landcover Data	http://www.epa.gov/mrlc/nlcd.html and http://landcover.usgs.gov/natllandcover.asp
NOAA	National Oceanic and Atmospheric Administration/	
NOAA/CSC	National Oceanic and Atmospheric Administration/Coastal Services Center	http://www.csc.noaa.gov/cgi-bin/crs/tcm/ldart_start.pl
NRCS	USDA, Natural Resources Conservation Service	
NWFWMD	Northwest Florida Water Management District	
NWI	National Wetlands Inventory	
OEDR	Office of Economic and Demographic Research	
SCS	Soil Conservation Service	
SDTS	Spatial Data Transfer Standard	http://data.geocomm.com/sdts/
SPCS	State Plane Coordinate System	
SRTM	Shuttle Radar Topography Mission	
SSURGO	Soil Survey Geographic Database	http://www.ncgc.nrcs.usda.gov/branch/ssb/products/SSURGO/index.html
STATSGO	State Soil Geographic Database	http://www.ncgc.nrcs.usda.gov/branch/ssb/products/statsgo/index.html
STCTOLG	State of Tennessee, Comptroller of the Treasury, Office of the Local Government	
TDOT	Tennessee Department of Transportation	
TSDS	Tennessee Spatial Data Server	http://63.148.169.50/
TVA	Tennessee Valley Authority	
TWRA	Tennessee Wildlife Resources Agency	
UMGC	The University of Mississippi Geoinformatics Center	
UMS	University of Mississippi	
USACE	US Army Corps of Engineers	
USBOC	US Bureau of Census	
USCB	US Census Bureau	
USDA	US Department of Agriculture	
USEPA	US Environmental Protection Agency	http://www.epa.gov/mrlc/data.html

Abbreviations	Definition	website
USFS	United States Forest Service	http://www.srs.fs.usda.gov/4803/landscapes/index.html
USFWS	United States Fish and Wildlife Service	
USGS	United States Geological Survey	http://mapping.usgs.gov/products.html#digital_data http://data.geocomm.com/
USGS **The National Map**	The National Map	http://seamless.usgs.gov/viewer.htm